1901

ANNUAL REPORT

OF THE

RECEIPTS AND EXPENDITURES

And Reports of the Various Departments

OF THE

TOWN OF BILLERICA,

FOR THE

YEAR ENDING FEBRUARY 28, 1901.

LOWELL, MASS. :
COURIER-CITIZEN COMPANY, PRINTERS.
1901.

LOCAL HISTORY

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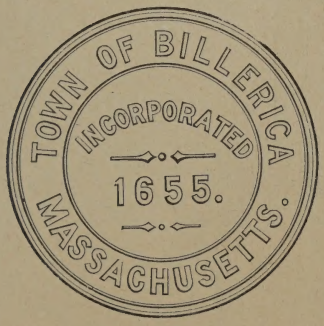

LOWELL, MASS. :
COURIER-CITIZEN COMPANY, PRINTERS.
1901.

TOWN OFFICERS.

SELECTMEN.

CHARLES H. KOHLRAUSCH, JR. EDWARD B. HASKELL.
JOSIAH WRIGHT.

TOWN CLERK.

HERBERT A. KING.

TOWN TREASURER.

HERBERT A. KING.

ASSESSORS.

JOSIAH WRIGHT. GEORGE E. SIMONDS.
WILLIAM H. HUTCHINS.

OVERSEERS OF THE POOR.

SEARS J. COOK. EDWARD B. HASKELL.
THOMAS E. SPAULDING.

BOARD OF REGISTRARS.

H. A. KING (ex officio). ARTHUR W. HOLDEN.
JOHN HARRINGTON. EDWARD L. McMAHON.

BOARD OF HEALTH.

COBURN S. SMITH. DR. JOHN B. TYLER.
DR. M. A. BUCK.

ENGINEERS OF FIRE DEPARTMENT.

LAWRENCE W. BUCKLEY. CHARLES A. WRIGHT.
WARREN HOLDEN.

SCHOOL COMMITTEE.

ALLAN BOTTOMLEY. FREDERICK A. CASEY.
D. MOYER STALEY.

WATER COMMISSIONERS.

FREDERIC S. CLARK. J. NELSON PARKER.
CHARLES H. KOHLRAUSCH, JR.

SINKING FUND COMMISSIONERS.

FREDERICK A. MOREY. FRANKLIN JAQUITH.
JOSEPH F. TALBOT.

COLLECTOR OF TAXES.

ALBERT H. JONES.

SUPERINTENDENT OF STREETS.

EDWARD SPAULDING.

SUPERINTENDENT OF ALMSHOUSE.

JAMES E. PARKER.

CATTLE INSPECTOR.

WILLIAM H. HUTCHINS.

FENCE VIEWERS.

CHARLES H. KOHLRAUSCH, JR. EDWARD B. HASKELL.
JOSIAH WRIGHT.

SEALER OF WEIGHTS AND MEASURES.

SEARS J. COOK.

CONSTABLES.

MARTIN CONWAY, JR. EVERETT W. LIVINGSTON.

PUBLIC WEIGHERS.

J. E. BLODGETT. E. E. COLE. GEORGE E. DUNHAM.

AUDITORS.

ERASTUS B. COLBY. GEO. P. GREENWOOD.
WILLIAM STEVENSON.

SURVEYORS OF WOOD AND LUMBER.

J. E. ROWELL. E. W. LIVINGSTON.
G. E. SIMONDS. C. A. FOSTER.
VALENTINE ROLLINS. W. F. SYMMES.
EDWARD HARRINGTON.

KEEPER OF THE LOCK-UP.

MARTIN CONWAY, JR. E. W. LIVINGSTON.

FIELD DRIVERS.

MARTIN CONWAY, JR. ISAAC HOPKINSON.

SELECTMEN'S REPORT.

The Selectmen herewith submit their Annual Report.

The Board organized on April 5, 1900, by choosing Chas. H. Kohlrausch, Jr., Chairman and Edward B. Haskell Secretary, the former taking the place of John E. Rowell, who, after many years of faithful service as a Selectman of Billerica, declined re-election.

We are glad to be able to assure the citizens that the town's affairs are in a satisfactory condition and that but little has occurred out of the usual course during the past year.

Our highways and bridges have been subjects of much consideration and have demanded considerable attention from us. An unexpected expense became necessary, owing to the condition of the bridges over the Concord river near the Talbot dam at North Billerica, which was such that it was found imperative to practically rebuild them. The Lowell & Suburban Electric Railway Co. rebuilt their portion of the Fordway bridge and the town will propably have to do similarly with its part during the coming summer, and we recommend that provision for this work be made at the annual meeting. Other bridges will probably require extensive repairs, and we ask that a suitable sum be placed at our disposal to meet such requirements, as it is impossible to know the extent of repairs that will be needed on any bridge until work upon it has been commenced.

Owing to a defective guard rail upon the Fordway bridge, William H. King backed his horse and baker's wagon off the bridge into the water below. Upon investigation of the circumstances, while of the opinion that Mr. King did not use proper care in handling his team, and should not have relied upon a guard rail to hold him from backing off the bridge, we decided that inasmuch as the rail was insecure the better way was to settle with him, which we did for seventy-five (75) dollars.

A much needed improvement has been made in the condition of Lowell street at North Billerica, by the removal of the turnout to Talbot avenue, which was done by the Lowell & Sub-

urban Street Railway Co. at our request. We are also pleased to note that in accordance with our expressed wishes to them the last car from Lowell to North Billerica has been continued through to the Centre. In this connection we would say in passing that this Board was joined by vote of the town to a committee of citizens to take under advisement the matter of a five cent fare from Billerica Centre to Lowell. In that capacity we attended a session of the Committee with the management of the Lowell & Suburban Street Railway Co. at their office in Lowell and made arguments before them in favor of the proposed change. At this writing we have no official knowledge of the result of the efforts of the Committee.

In pursuance of our duty in indicating the position of poles for electric railways, electric lighting, telegraph and telephone lines, etc, we are constantly confronted with the fact that the lines of our highways are not well established. In many cases walls and fences have been pushed out into the street, elsewhere there are frequently no lines or bounds and the Selectmen are obliged to accept the statement of abutters as to the limits of the highways. This is not as it should be. Billerica has upwards of one hundred miles of highways, and to enable the Selectmen to properly care for them their limits should be defined throughout their whole extent. This work should be at once entered upon and financial provision made therefor. We have as yet been unable to obtain any recognition from the State Highway Commission, but we think that our own Street Department has done creditable work on our roads during the year. A piece of macadam has been constructed at the Centre during the past season, and the year previous a similar job was done at North Billerica.

The Selectmen, being unable to agree as to making any recommendation to the town as to the advisability of building any macadam road during the season, have made it the subject of an article in the warrant for the annual meeting.

The town having decided not to purchase the electric light plant of W. A. Drucker, he has extended his lines and has now practically completed his distributing plant.

We have granted a franchise to the Lowell & Boston Street Railway Co. to lay tracks and operate a street railway from the Burlington line to Billerica Centre, and suitable assurances have been given us that they will extend their line to Tewksbury *via* Billerica avenue.

We are of the opinion that, inasmuch as the introduction of the town water supply with its high hydrant pressure has practically made the steam fire engine a needless part of our fire apparatus, it had better be sold if a suitable sum can be obtained for it, and an article in reference thereto has been inserted in the warrant for the annual meeting.

The subject of the claim of L. T. McKenney, former Superintendent of Schools, against the town being left with the Selectmen, we investigated the matter and decided to stand suit and engaged Judge Fisher of Lowell as counsel. After all preparations had been made for trial, the attorney for the plaintiff proposed to give up the suit, each party to stand their own costs. This proposition was accepted by Judge Fisher in our behalf.

The prevalence of smallpox and its near approach during the past summer reminds us that there is no place available, should occasion require, for the reception of patients suffering from this or other contagious disease. In our opinion provision should be made by the town for this purpose.

We are obliged to remark that unpaid taxes are not of much use in paying the town's bills, and we feel sure that we have but to mention this to be exempt from any embarrassment on this account in the future.

We desire to acknowledge the efforts of the Historical Society to preserve the ancient history of our town, and are glad to co-operate with it in its endeavors in any way in our power. In this connection we directed the Town Clerk to have the "Great Deed," a document engrossed upon parchment and the instrument whereby the Cambridge proprietors conveyed to the Billerica promoters large grants of land, preserved from future deterioration and put into a condition that will make an examination of it possible by any who might be interested to do so. The work has been most successfully accomplished and the priceless relic is safe from future harm.

We wish to suggest to the citizens the desirability of a telephone line for municipal use between the Centre and North Billerica. To get the best results in the water works service and also in the fire and police service its great utility would be apparent. We found that the appropriation for repairs at the Town Hall made at the last annual meeting was wholly inadequate, and aside from making a few needed repairs, we did not

avail ourselves of it. We have had a representative of the house of James I. Wingate & Son, who did the varnishing and finishing when the hall was built, examine the interior, and invite the attention of the citizens to his estimate and recommend an appropriation in accordance therewith. We find that new heaters are necessary at Union Hall, North Billerica, and the building should be painted and repairs made upon the roof, and have made an estimate on the cost of the same, elsewhere presented.

A Tree Warden was elected at the last annual meeting and the trees along the highways have been placed under his care. We urge our citizens to co-operate with this officer in beautifying and making our roadsides as attractive as possible.

At the last annual meeting the town fixed the salary of the firemen at twenty dollars per year, but through an oversight the salary of the engineers was not readjusted at that time. By vote of the town at the annual meeting in 1888 the salaries of the engineers were fixed at twenty dollars per year. It would seem equitable, as the members of the department have received more, that the engineers should also participate in the increase.

Attention is invited to the reports of the different departments herewith presented.

CHAS. H. KOHLRAUSCH, JR.,
EDWARD B. HASKELL,
JOSIAH WRIGHT,
Selectmen of Billerica.

WARRANTS AND DOINGS OF TOWN MEETINGS

For the Year 1900–1901.

WARRANT FOR THE ANNUAL TOWN MEETING

To be held Monday, March 26, 1900.

Commonwealth of Massachusetts, }
Middlesex, ss. }

To Everett W. Livingston, Constable of the Town of Billerica, Greeting:

You are hereby authorized and required to notify and warn the inhabitants of the said Town of Billerica qualified by law to vote in elections and town affairs to meet at the Town Hall, in said town, on Monday, March Twenty-sixth, at 9 o'clock in the forenoon, to act upon the following articles:

Art. 1. To choose a Moderator to preside at said meeting.

Art. 2. To determine the number of Selectmen, Assessors, Overseers of the Poor, Auditors, Constables, Collector of Taxes.

Art. 3. The polls will be open in accordance with the by-laws of the town for the election of the following Town Officers on one ballot for one year: Town Clerk, Town Treasurer, Selectmen, Assessors, Overseers of the Poor, Collector of Taxes; one or more Constables; one member of the Board of Health for three years; one member of the School Committee for three years; one member of the Sinking Fund Commission for three years; one member of the Water Commission for three years; Tree Warden for one year.

Art. 4. To see if the town will choose Highway Surveyors, and all other necessary Town Officers.

Art. 5. To choose a member of the Bowers Fund Committee for a term of five years.

ART. 6. To see if the town will accept the revision of the jury box made by the Selectmen, or do anything in relation to the same.

ART. 7. To see what method the town will adopt for the collection of taxes for the ensuing year.

ART. 8. To see what method the town will adopt for the repair of the roads and bridges the ensuing year.

ART. 9. To hear and act upon the report of the Selectmen and all other Town Officers and Committees heretofore appointed.

ART. 10. To vote on the following question, viz.: Shall license be granted for the sale of intoxicating liquors in the Town of Billerica? Yes or No.

ART. 11. To raise and appropriate such sums of money as may be deemed necessary to defray the town's expenses for the ensuing year, or do anything in relation to the same.

ART. 12. To see if the town will raise and appropriate the sum of $100 for the use of the Veterans on Memorial day.

ART. 13. To see if the town will authorize and direct the Treasurer, with the approval of the Selectmen, to borrow temporarily in anticipation of taxes of the present municipal year, and give the negotiable note or notes of the town for money so borrowed, and that all such temporary loans shall be paid from the said taxes.

ART. 14. To see if the town will raise and appropriate the sum of $700 to be divided between the V. I. A. of North Billerica and Billerica Centre, to be expended by them for street lighting, or do anything in relation to the same.

ART. 15. To see if the town will authorize the Selectmen to sell and convey land on Billerica avenue, or any other land belonging to the town farm, or do anything in relation to the same.

ART. 16. To see if the town will raise and appropriate the sum of $150 to be expended in suitably marking the names of the roads and streets in the town as designated by the street naming committee and accepted by the town at the last annual town meeting, or do anything in relation to the same.

ART. 17. To see if the town will raise and appropriate $2,500 for addition to Pollard school, to contain new school room and sanitary closets, or do anything in relation to the same.

ART. 18. To see if the town will raise and appropriate the sum of $280 and pay the same to the Bennett Public Library association, as interest due on the Winthrop Faulkner fund, or do anything in relation to the same.

ART. 19. To see if the town will vote to accept the provisions of Chapter 309 of the Acts passed by the General Court of Massachusetts in the year 1885, entitled: An act authorizing cities and towns to license groves to be used for picnics and other lawful amusements.

ART. 20. To see if the town will instruct our Selectmen what course to pursue in regard to bringing about the five cent fare from Billerica Centre to Lowell, or do anything in relation to the same.

ART. 21. To see if the town will pay the claim of L. T. McKenney against the Town of Billerica, and raise and appropriate the sum of $550 to settle said claim, or do anything in relation to the same.

ART. 22. To see if the town will authorize the Selectmen to appoint a Town Counsel, or act in relation thereto.

ART. 23. To see if the town will authorize the Assessors to issue a Valuation Book for 1900, and make appropriation therefor, or do anything relating thereto.

ART. 24. To see if the town will establish and maintain a telephone line between Billerica Centre and North Billerica for municipal use only, the cost not to exceed $200, or take any action relative thereto.

ART. 25. To see if the town will connect the public watering trough at the Centre, and also the one at the North, with the town water main, and make appropriation therefor, or act in relation thereto.

ART. 26. To see if the town will raise and appropriate the sum of $150 for a sidewalk from the Talbot school to the Boston road, or do anything relating thereto.

ART. 27. To see what action the town will take in regard to the money received from sale of town land by the Selectmen.

ART. 28. To see if the town will amend the by-laws by the addition of a clause whereby all hawkers, peddlers, junk dealers, collectors, not including residents of the town, must be licensed at a nominal fee, or do anything in relation to the same.

ART. 29. To see if the town will take any action in regard to purchasing the Billerica Electric Light plant, or to establishing a Town Electric Light plant, or do anything in regard to the same.

ART. 30. To see if the town will accept a street as now staked out across the land of Sidney A. Bull and Mabel E. Gleason, running easterly from Boston road to the town land, thence northerly on said town land and land of Mabel E. Gleason to Andover road, and raise and appropriate $800 for the purpose of building said street, or do anything in relation to the same.

ART. 31. To see if the town will fix the salary of the Firemen at $20 per year, and do away with the hourly payment, or do anything in relation thereto.

And you are to serve this warrant by posting attested copies thereof, one copy at the Town Hall, one copy in each of the post offices of the town and one copy in each of the porches or vestibules of the several churches in the town, at least eight days before said meeting.

Hereof fail not, and make due return of this warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this fifteenth day of March, in the year of our Lord nineteen hundred.

JOHN E. ROWELL,
EDWARD B. HASKELL,
JOSIAH WRIGHT,
Selectmen of Billerica.

A true copy. Attest:

EVERETT W. LIVINGSTON,
Constable.

BILLERICA, March 26, 1900.

I have served the above warrant as therein directed.

EVERETT W. LIVINGSTON,
Constable of Billerica.

At a legal town meeting held under the foregoing warrant, the following action was taken:

ART. 1. On motion of T. M. Harrigan, it was unanimously voted that the clerk cast one ballot for C. H. Kohlrausch for moderator.

C. H. Kohlrausch was unanimously chosen moderator by the use of ballot and check list, and was sworn by the clerk.

The moderator appointed as tellers, A. W. Holden, Fred Gleason, John Mahoney, Edw. Dickinson, who were sworn by the clerk.

ART. 2. On motion of F. Jaquith it was unanimously voted that there be chosen one Town Clerk, one Treasurer, three Selectmen, three Assessors, three Overseers of Poor, one Collector of Taxes, two Constables, one member of the Board of Health for three years, one member of the Sinking Fund Commission for three years, one member of the Water Commissioners for three years, one Tree Warden for one year, one Highway Surveyor for one year, one member of the Cemetery Commission for three years, three Auditors for one year. At 9.30 A. M. it was unanimously voted that the polls be open for Town Officers, and on motion of F. Jaquith it was also unanimously voted that the polls may be closed at 3.30 P. M.

On motion of E. L. McMahon, the polls were closed at 3.30 P. M. John A. Richardson and Joseph Holt were appointed additional tellers, and sworn by the clerk.

The vote as declared was as follows:

FOR TOWN CLERK—	VOTES.
HERBERT A. KING*	428

* Declared elected and sworn by the moderator.

FOR TOWN TREASURER—	
SIDNEY A. BULL	153
HERBERT A. KING*	271

* Declared elected and sworn by the moderator.

FOR SELECTMEN—	VOTES.
EDWARD B. HASKELL*	232
JOSIAH WRIGHT*	254
CHAS. H KOHLRAUSCH, JR.*	275
RICHARD T. PERRY	231
WILLIAM H. HUTCHINS	222
WILLIAM H. SEXTON	1
GEO. E. SIMONDS	1

* Declared elected and sworn by the clerk.

FOR ASSESSORS—	VOTES.
GEO. E. SIMONDS	290
WILLIAM H. HUTCHINS	268
JOSIAH WRIGHT	386
S. J. COOK	6
JOHN E. ROWELL	165
WILLIAM H. SEXTON	158
NATT H. HUTCHINS	1
SIDNEY A BULL	1
EDWARD B. HASKELL	1

FOR SCHOOL COMMITTEE—	VOTES.
ALLAN BOTTOMLEY*	238
EDWARD L. McMAHON	195

* Declared elected and sworn.

FOR OVERSEERS OF POOR—	VOTES.
COBURN S. SMITH	1
SEARS J. COOK*	428
EDWARD B. HASKELL*	207
THOMAS SPAULDING*	206
ROGER BARRINGTON	197
JOSEPH S. HOLT	160
GEO. P. GREENWOOD	23
CLARENCE A. BOWMAN	48
NATT H. HUTCHINS	1

* Declared elected and sworn by the clerk.

FOR CONSTABLES—	VOTES.
EVERETT W. LIVINGSTON*	284
MARTIN CONWAY, JR.*	421
ANDREW MORRISSEY	133
ALLAN BOTTOMLEY	1

* Declared elected and sworn by the clerk.

FOR COLLECTOR—	VOTES.
ALBERT H. JONES*	342
NATT H. HUTCHINS	86

* Declared elected and sworn.

FOR SURVEYOR—	VOTES.
EDWARD SPAULDING*	360

* Declared elected and sworn.

FOR SINKING FUND COMMISSIONER—	VOTES.
JOSEPH F. TALBOT*	405
F. A. MOREY	30
S. A. BULL	1

* Declared elected.

FOR WATER COMMISSIONER—	VOTES.
CHAS. H. KOHLRAUSCH, JR.*	397
JOSEPH JAQUITH	24
WM. H. SEXTON	1

* Declared elected.

FOR CEMETERY COMMISSIONER—	VOTES.
J. N. PARKER*	143

* Declared elected.

FOR AUDITORS—	VOTES.
ERASTUS B. COLBY*	423
GEORGE P. GREENWOOD*	423
WILLIAM STEVENSON*	142
RICHARD T. PERRY	91
GEO. L. DUNHAM	62
CHARLES J. NUGENT	134
ALLAN BOTTOMLEY	1
ANDREW MORRISSEY	1
EDWARD B. HASKELL	1

* Declared elected.

FOR TREE WARDEN—	VOTES.
FRED C. SMITH*	327
DENNIS O'KEEFE	68
JAMES HAMILTON	32
R. T. PERRY	1
B. W. KEARNEY	1

* Declared elected.

FOR BOARD OF HEALTH—	VOTES.
DR. M. A. BUCK*	197
JOHN E. ROWELL	65
COBURN S. SMITH	25
T. SPAULDING	1

* Declared elected.

ART. 4. Moved by F. Jaquith, that a surveyor of highways be chosen and it was so voted. And by the same that this office be voted for on the same ballot with the other town officers, which was also voted.

On motion of John Fisk, it was voted that the Selectmen serve as fence viewers.

On motion of H. A. King, it was voted that the field drivers be the same as last year, viz.: Isaac Hopkinson and Martin Conway, Jr.

On motion of Coburn S. Smith, it was voted that the surveyors of wood and lumber be the same as last year, viz.: John E. Rowell, George E. Simonds, Valentine Rollins, Wm. F. Symmes, Charles A. Foster, Charles R. Wild, H. A. King.

ART. 5. Chose Joseph S. Holt a member of the Bowers Fund Committee for five years.

ART. 6. The jury list being presented to the town, the name of J. E. Blodgett was upon request dropped from the list, and the name of Thomas M. Harrigan substituted therefor.

It was then voted that the list be accepted, it being as follows:

William H. Hutchins	Farmer
Josiah Wright	Stone Mason
James Barrington	Carpenter
John E. Bull	Merchant
William A. Merriam	Farmer
Charles C. Johnson	Merchant
William H. Sexton	Blacksmith
T. E. Smith	Carpenter
C. W. Flanders	Optician
Sidney A. Bull	Merchant
Henry Shuman	Farmer
Oscar Fellows	Farmer
Daniel Callahan, Jr	Farmer
Edward B. Haskell	Farmer
Nathaniel Jones, Jr	Farmer
W. W. Nason	Clergyman
George E. Simonds	Farmer
Jasper Bruce	Merchant
Fred L. Mason	Farmer
George L. Dunham	Merchant
Henry Dutton	Farmer
Clarence Bowman	Farmer
Valentine Rollins	Farmer

Joseph H. Call.....Farmer
Martin Conway.....Farmer
John E. Rowell.....Farmer
Fred H. Parker.....Merchant
William F. Symmes.....Miller
H. D. Livingston.....Teamster
B. G. Hutchins.....Carpenter
Franklin Jaquith.....Manufacturer
H. A. King.....Clerk
John H. Foster.....Agent
H. M. Hutchins.....Retired
Frank W. Holden.....Merchant
Dick Folsom.....Farmer
Albert H. Jones.....Collector
Oscar Smith.....Clerk
L. B. Gannon.....Broker
Thomas M. Harrigan.....Nurse

ART. 7. Voted that the method of collecting taxes be the same as last year.

ART. 8. Voted that the method of repairing roads and bridges be the same as last year.

ART. 9. On motion of Geo. P. Greenwood, it was voted that this article be laid upon the table until the afternoon session.

This article was again taken up in the afternoon and it was voted to accept the reports of the Selectmen, Treasurer, Auditors, Water Commissioners, Sinking Fund Commissioners, and Cemetery Commissioners as printed.

H. A. King, made a verbal report for the Record Committee stating the progress made in the work, and asking that an appropriation be made to continue the work.

On motion of E. Baker, it was voted to accept the report as made.

On motion of D. M. Staley, it was voted that $200 be raised and appropriated to continue the work being done by the Record Committee.

On motion of Franklin Jaquith the following resolutions were unanimously adopted.

In the general regret of the citizens of Billerica for the retirement, as Town Treasurer, of John A. Richardson, the following resolutions are offered:

Resolved, that we, as citizens of Billerica, desire to express our regret for the necessity which compels our esteemed towns-

man, Mr. John A. Richardson, to discontinue his services as Town Treasurer.

Resolved, that a deep sense of appreciation is felt for the faithfulness with which he has served the town. Assuming his duties at a time when careful discrimination and good judgment were necessary, he combined these with sagacity and ability.

In every respect he has served in a way to merit the confidence and approbation of the people.

Resolved, that we extend to him our cordial thanks, and heartfelt wishes for his future, in whatever sphere he may serve.

Resolved, that a copy of these resolutions be placed on record, and a copy be extended to Mr. Richardson.

ART. 10. On motion of D. M. Staley, the polls on the license question were opened and kept open until the polls for town officers were closed.

The vote as declared by the moderator was as follows: Yes, 35, No, 221.

ART. 11. On motion of Josiah Wright, this article was laid on the table until the afternoon session.

On motion of F. S. Clark, Article 27 was acted upon before this article was taken up.

Under this article the following appropriations were made:

Schools	$8,500 00
Highways	3,500 00
Macadam road	1,500 00
Bridges	450 00
Fire Department	1,300 00
Town Farm	1,000 00
Incidentals	1,300 00
Janitor and Police	1,500 00
Outside Relief	1,300 00
Debt Appropriation	5,500 00
Interest	1,700 00
Insurance	275 00
Sinking Fund and Bond Interest	2,000 00
Soldiers' Relief	50 00
Registrars of Voters	100 00
Street Lighting	700 00

Selectmen	$ 375 00
Assessors	500 00
Overseers of the Poor	200 00
School Committee	180 00
Town Clerk	150 00
Town Treasurer	250 00
Tax Collector	350 00
Election Officers	100 00
Cattle Inspector	350 00
Fish Warden	100 00
Cemeteries	400 00
Common	75 00
Board of Health	50 00
Auditors	45 00
Sidewalks	100 00
Hydrants	2,300 00
Water Deficit	1,000 00
Tree Warden	100 00
Painting and Repairs Interior Town Hall	150 00

On motion of F. S. Clark, it was voted that $22,000 be raised for the appropriations made under this article.

ART. 12. On motion of S. A. Bull, it was voted that $100 be raised and appropriated for the use of veterans on Memorial Day.

ART. 13. Moved by J. Wright and unanimously voted that the Treasurer be and is hereby authorized and directed, with the approval of the Selectmen, to borrow temporarily, in anticipation of taxes of the present municipal year, the sum of $25,000 and give the negotiable note or notes of the town for money so borrowed, and that all such temporary loans shall be paid from the said taxes.

ART. 14. Moved by F. S. Clark and so voted that the $700 appropriated for street lighting be equally divided between the V. I. A. at North Billerica and Billerica Centre, to be used by them for street lighting.

ART. 15. Voted that the Selectmen have power to sell and convey any land belonging to the town.

ART. 16. On motion of D. M. Staley it was voted that the sum of $150 as called for by this article be raised and appropriated for the purpose named therein.

ART. 17. Moved by D. M. Staley and so voted that $2,500 be raised and appropriated for the purpose named in Article 17. Moved by C. H. Hosmer, and so voted, that the School Committee be a building committee to carry out the above vote.

ART. 18. Voted on motion of C. H. Hosmer that $280, as asked for by Article 18, be raised and appropriated for the purpose named therein.

ART. 19. Voted on motion of F. Jaquith, That the town accept the provisions of Chapter 309 of the Acts of the General Court of Massachusetts for the year 1885, relating to licensing groves for the use of picnics and other lawful amusements.

ART. 20. Voted that the town choose a committee of five to act jointly with the Selectmen in procuring five cent fares between Billerica Centre and Lowell. The following Committee were nominated and appointed: Richard Faulkner, A. W. Proctor, S. A. Bull, Chas. E. Hosmer, E C. Davis.

ART. 21. On motion of Geo. R. Herrick that this article be dismissed, the meeting voted in the negative. Moved by W. W. Nason that $550 be raised and appropriated to pay the claim of L. T. McKinney. On motion of E. L. McMahon the motion of W. W. Nason was amended to read That the Selectmen be and are hereby instructed to hire counsel and ascertain the town's liability in the matter and pay the $550 if they find that the town is liable. The vote on this motion as amended was yes 80, no 22, and it was declared carried in the affirmative.

ART. 22. It was voted that the Selectmen be authorized to hire a town counsel.

ART. 23. On motion of F. Jaquith, it was voted that the Assessors be authorized to issue a Valuation Book for 1900, and that $100 be raised and appropriated for that purpose.

ART. 24. Voted that this article be dismissed.

ART. 25. On motion of Jos. Ellis, it was voted that this article be dismissed.

ART. 26. Moved by Jos. Ellis, and so voted, that the sum asked for by this article be raised and appropriated and expended if the abutters pay one half the expense of building said sidewalk.

ART. 27. On motion of F. S. Clark, it was voted that the money named in this article be placed in the treasury to be used in paying appropriations.

ART. 28. On motion of George H. Dodge, it was voted that the town by-laws be amended as read by the Clerk, said amendment being as follows, viz. :

Be it enacted by the citizens of the Town of Billerica in town meeting assembled :

SECT. 1. The Selectmen may license such persons as they deem suitable to be keepers of shops or go about from house to house, within the town, for the purchase, sale or barter of junk, old metals or second hand articles, or to expose for sale from any stand, booth, stall, cart, wagon or other vehicle or receptacle in any street, square or public place, within said town, any goods, chattels or merchandise.

SECT. 2. No person, not a resident of said town, shall keep any shop or go about from house to house, within the town, for the purchase, sale or barter of junk, old metal or second hand articles, or expose for sale from any stand, booth, stall, cart, wagon or other vehicle or receptacle in any street, square or public place, within said town, any goods, chattels or merchandise, without first having obtained a license therefor from the Selectmen of said town ; provided, that any person may sell or offer for sale the products of farms, gardens, nurseries and orchards, in places where it will not interfere with public travel.

SECT. 3. Every person to whom a license shall be granted, as provided in Section 1, shall expose upon any vehicle or receptacle used the number of his license in plain legible figures of not less than three inches in size so that the same may be distinctly seen and read.

SECT. 4. The Selectmen shall have power at all times to revoke any license granted hereunder.

SECT. 5. All licenses shall be for a term of not more than one year and shall expire on the first day of April, in each year.

SECT. 6. For each license so granted, there shall be paid to the Town Treasurer the sum of two dollars for the use of the town.

SECT. 7. Any person who shall offend against any of the provisions of this chapter shall forfeit and pay for each offence a sum not exceeding twenty dollars.

ART. 29. On motion of S. A. Bull, it was voted that a committee of three be appointed by the Moderator to investigate the matter and report at some future meeting. The chair appointed as this committee S. A. Bull, J. Nelson Parker, and H. W. Sheldon.

ART. 30. Moved by E. F. Dickinson that the town accept the road as laid out, and raise and appropriate the sum asked for to build the same. It was voted in the negative.

ART. 31. On motion of E. B. Haskell it was voted that the salary of fireman be $20 per year, and that hourly payments be abolished.

It being brought to the attention of the meeting that a suitable stone had been placed upon the graves of Mary and Fanny Bowers, the donors of the "Bowers Fund," by J. Nelson Parker, Fred'k S. Clark and Joshua B. Holden, a vote of thanks was unanimously extended to these gentlemen for their generous and public spirited act.

A vote of thanks was unanimously extended to the Moderator for the able and courteous manner in which he presided over the meeting.

A vote of thanks was also extended to the tellers for their faithful service.

On motion of Joseph Jaquith the meeting was adjourned.

Attest: HERBERT A. KING,
Town Clerk.

To Herbert A. King, Town Clerk of Billerica.

This is to state that the undersigned citizens of Billerica have reason to believe, and do believe, that the records returned by the election officers, or tellers, of the town election held on March 26, 1900, are erroneous in that the number of votes cast for Richard T. Perry, as candidate for Selectman, were not correctly counted, and we believe a recount of the ballots cast at said meeting will affect the election of said Richard T. Perry, Edward F. Carley, Matthew H. Kohlrausch, Jeremiah Mahoney, Patrick Conden, Ivory M. Hanson, Alexander Allen, John Brown, Herbert W. Sheldon, Charles F. Manning, Jos. Ellis.

March 28, 1900.

Middlesex, ss.

Personally appeared the above named Edw. F. Carley, Matthew H. Kohlrausch, Jeremiah Mahoney, Patrick Conden, Ivory M. Hanson, Alexander Allen, John Brown, Herbert W. Sheldon, Charles F. Manning, Jos. Ellis, and made oath that the above statement made by them is true. Before me,

Joseph F. Talbot,
Justice of the Peace.

In compliance with the above petition, all persons interested being duly notified, a recount of the vote cast for Richard T. Perry for Selectman was had by the registrars of voters at the Town Clerk's office on Saturday, March 31, 1900, at 2 oclock p. m., with the result that the votes cast for Richard T. Perry for Selectman were found to be correctly counted as recorded.

Attest: Herbert A. King,
Town Clerk.

TOWN MEETING OF JULY 30, 1900.

Commonwealth of Massachusetts,
Middlesex, ss.

To Everett W. Livingston, Constable of the Town of Billerica, Greeting:

You are hereby authorized and required to notify and warn the inhabitants of the said Town of Billerica, qualified by law to vote in elections and town affairs, to meet at the Town Hall, in said town, on Monday evening, July 30, 1900, at 7.45 o'clock, to act upon the following articles:

Art. 1. To choose a moderator to preside at said meeting.

Art. 2. To hear and act upon the report of the committee chosen at the last annual meeting to investigate the subject of manufacturing and selling electricity by the town.

Art. 3. To see if the town will vote to exercise the authority conferred by Chapter 370 of the Acts of the Legislature of the Commonwealth of Massachusetts for the year 1891, and the subsequent amendments thereto, entitled "An Act to enable cities and towns to manufacture and distribute gas and electricity;" or do anything in relation to the same.

Art. 4. To see if the town will borrow and appropriate $1,500 to complete the annex to Pollard school, or do anything in relation to the same.

Art. 5. To see if the town will grant Charles C. Johnson the right to erect a suitable building to be used as a waiting-room and for the sale of refreshments, at the head of River street or thereabouts, under the direction of the Selectmen, or do anything in relation to the same.

And you are to serve this warrant by posting attested copies thereof, one copy at the Town Hall, one copy in each of the post offices of the town, and one copy in each of the porches or vestibules of the several churches in town, at least eight days before said meeting.

Hereof fail not, and make due return of this warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands, this nineteenth day of July, in the year of our Lord nineteen hundred.

Chas. H. Kohlrausch, Jr.,
Edward B. Haskell,
Josiah Wright,
Selectmen of Billerica.

A true copy. Attest:

Everett W. Livingston,
Constable.

Billerica, July 30, 1900.

I have served this warrant as above directed.

Everett W. Livingston,
Constable.

Billerica, July 30, 1900.

At a legal meeting held under the foregoing warrant, the following action was taken:

Art. 1. Chose unanimously C. H. Kohlrausch by use of ballot and check list. Sworn by clerk. A. W. Holden, Jos. S. Holt, Natt R. Jones and Fred L. Gleason were appointed tellers and sworn by the clerk.

Art. 4. By unanimous consent, Article 4 was taken up and on motion of D. O'Keefe it was voted that the Town Treasurer be authorized to borrow $1,500 and give the town note therefor payable in three year, at the best obtainable rate of interest, and that the proceeds be appropriated to complete the addition to the Pollard school building.

The vote upon this motion as declared by the moderator was 100 in favor and one in the negative.

Art. 5. On motion of Wm. Sexton this article was dismissed.

On motion of J. N. Parker it was unanimously voted that the meeting be adjourned to Monday, August 6, at 8 o'clock, p. m.

Billerica, August 6, 1900.

The meeting as above adjourned was called to order by the moderator at 8.10 p. m.

Article 2 being under consideration, J. N. Parker for the committee chosen at the last annual meeting presented the following report.

Your committee chosen at the last annual town meeting to investigate and report upon the subject of establishing an electric light plant beg leave to make the following report:

Municipal ownership of public necessities has come to be very generally recognized as a sound principle. There may be, however, an honest difference of opinion as to whether or not electric lighting is a public necessity, inasmuch as the majority of electric lighting plants in this state are to-day owned and operated by private or corporate capital, or, in other words, are simply commercial enterprises, the same as any other commercial enterprise, excepting the one consideration of being operated under a public franchise or some special privilege.

Whether or not it is wise for towns to grant such franchises or privileges is a proper question for discussion, but a question which your committee will not consider except as applied to your own town, and in this case are obliged to consider it as an accomplished fact, rather than an abstract question of policy. That such a consideration, by *this* or *some* committee, and a full discussion of the subject before a meeting of all its citizens, would have been wise for, and just to, the Town of Billerica before granting such franchises, is certain, as, without advocating municipal ownership as a principle, your committee believe that the granting of a blanket franchise without any exactions as to construction or operation, was not a year ago, and would not to-day be good policy. Our conclusions are therefore based upon and influenced by existing conditions, to a certain extent. Suppose, for illustration, that the existing plant were such an one as the town would construct, equipped to do the work of the entire town, as well as modern machinery and skill could do it, planned and founded upon a basis promising future development along lines that would meet the approval of the best business judgment of its citizens, our recommendations might have been modified; but under existing conditions, with an interest in the present welfare of the town—with pride in its existing public works, and in its progressive spirit—and with earnest wishes for its future development and prosperity, we are prepared to recommend the town to establish a municipal plant for the manufacture or distribution of electric light. We reach this decision, however, the more easily from the fact that we believe it will prove in the very near future at least self-supporting, if not a source of profit to the town.

The electric light industry is not yet old enough to furnish reliable statistics for determining income upon any basis of averages, but we give herewith some estimates of cost of construction, maintenance and income, which we think are moderarely safe, and which will help you to reach a fair conclusion. In estimating cost of construcrion, allowance must be made for the fact that it is impossible to get actual figures except by competitive bids from actual contractors; cost of maintenance, however, should be fairly accurate; the matter of income must be largely a matter of estimate, and dependent largely upon the disposition of the people to take the light.

Your committee wish to present two plans for the consideration of the voters.

The first plan is to establish a manufacturing plant in connection with, and as an addition to, the present pumping station of the water works. For many and obvious reasons this is advantageous; first, the cost of building would be slight; second, the cost of land, nothing; third, the cost of operating the two plants together would be the greatest economy. The engineer for the water works would be the engineer for the electric light plant; the services of one additional man, as an assistant engineer, would seem to be the only service required. All work for both plants would be done at night, as the present requirements for pumping are less than three hours per day of twenty four hours; one of the present 100 horse power boilers would furnish power for the present needs of lighting during the time when lights would be most used, and after 12 o'clock at night power from the same boiler would operate the pumps (which require less than 60 horse power), and carry a small amount of surplus power to the dynamo or generator sufficient to supply emergency lighting throughout the night. The latter will be of greater value than at first supposed. Without a provision for electric light, *at any time when light is required*, every taker must provide some other means of lighting; during the long winter months, lights are quite as necessary for a short time in the morning as they are in the evening, and for physicians, and in all cases of sickness, such lighting would be extremely valuable.

The items of cost we estimate to be as follows:

Building	$2,000 00
Dynamos and Switchboards (in duplicate)	3,800 00
Engines, Foundations, Belting, Piping (in duplicate)	2,275 00
Meters and Transformers, 1,000 lights	2,500 00
Services	750 00
Street Lamps	1,000 00
Poles and Wires (15 miles)	7,500 00
	$19,825 00

Our estimate of cost for transformers, meters and services is based upon 60 services or 1,000 incandescent lamps; the engines and dynamos are estimated for a normal capacity of 1,000 lights, but with a forced capacity of 33% more. You will also

notice this estimate contemplates an entirely new plant, without considering the present plant owned and operated by Mr. Drucker.

Without going into details, we would say, that the value to the town of the present plant is from $2,000 to $2,500, assuming that no portion of the existing plant would be used in the new plant except the wires, and possibly a small number of poles, the balance of the above estimate being made up of the salable value of the present machinery. This in no wise represents the cost of the present plant to its owner, and in no wise establishes the amount the town should pay for it, but whatever the amount above $2,500 that the town pays for this plant must be added to our estimate of cost of construction. As the law provides definitely for the transfer of private plants to municipal ownership (which we describe later), and as there is a difference of opinion between the present owner and this committee as to its value, it seems impossible to give a correct estimate of final cost to the town; but for purposes of illustration and to show the possibilities, suppose the cost of the plant, with incidentals, and allowing for an increase in number of meters and transformers, to be as high as $25,000, the cost of maintenance would be somewhat as follows:

Interest on $25,000 30 year 4% bonds, $1,000; Sinking Fund requirement, $500; labor, $900; fuel, $600; or $3,000 in all.

In this estimate of cost nothing is allowed for depreciation or repairs, for the reason that all construction, excepting the wooden poles, is of a very permanent nature, and your Committee feel that for the first ten years, excepting accidents, the charge for repairs would be practically nothing, and that thereafter all ordinary repairs may be met from income account.

The town at present appropriates $700 for street lighting, which is obviously insufficient, as that portion of our streets now lighted by electric light furnishes a sample of what a large portion of the town should and might have. For street lighting an appropriation by the town of $1,500 would be entirely reasonable. This would leave but $1,500 to be paid by the consumers, and this would be covered by 60 services with an average income of $25 each. Whether or not this is a reasonable estimate is within the province of any one to judge; to the Committee it seems a low estimate, and it would also seem entirely reasonable that within a short time the services would greatly exceed this. Four per cent. 30 year bonds would sell to-day for 114½ at least, but conditions change rapidly, and a conservative estimate of 112 would be

equally to the purpose. This would mean, on the $25,000 issue, a premium of $3,000, which, if applied to the Sinking Fund, would provide for the first six years, and reduce the estimated cost of maintenance for the first six years by a corresponding amount, namely, to $2,500 per year. We believe therefore that a $1,500 appropriation for street lighting would be all that would be required of the town after the plant were well established, say the second year, and that in the near future, and before the time required for the town to make appropriation for the Sinking Fund, the town would be able to light its public buildings without any cost and provide a fund for repairs or depreciation. We say the " second year " because the first year, being a year of construction, would not show a full year's earning capacity and would probably occasion a small deficit It is likely (and worthy of consideration) that a 3½% bond might be sold at a small premium, say 4%, or enough to provide for the Sinking Fund for two years and reduce the annual interest charge from $1,000 to $875.

As no action can be taken upon the financial features of this matter at this meeting, however the town may vote upon the main question, this may be left for future consideration.

The law to which we refer regarding the transfer of private plants to municipal ownership is practically this, as applied to this town: The town *must* buy Mr. Drucker's plant if he elects to sell. The method of procedure is as follows: If the town votes at this meeting to establish an electric light plant by a two-thirds vote it must vote a second time to do the same thing not earlier than two months, and not later than thirteen months, from this first meeting. If, at the second meeting, the town should vote to establish its own plant, Mr. Drucker, if he elects to sell, *must*, within thirty days, file with the Town Clerk a detailed schedule of all the property he proposes to sell to the town, and the terms of sale proposed. After the first vote, however, the owner shall, within thirty days, upon written demand of the Selectmen, file such schedule, and thereafter the Selectmen, with experts, deemed by them necessary, may at all reasonable times inspect any and all such property.

In case of failure on the part of the town and Mr. Drucker to agree upon price, either party may, within sixty days after the filing of such schedule (following the second meeting), apply by petition to the Supreme Judicial Court, praying for adjudication.

The Court in such case will appoint a Special Commissioner or Commissioners, both parties shall be heard, and the award of said Commissioner or Commissioners shall be filed in the Supreme Judicial Court for revision or confirmation. Within fourteen days thereafter, either party may file objections and apply to the court for a hearing. The decision will be final.

In case Mr. Drucker does not wish to sell, the town may construct its own plant and conduct the same in competition with the owner of the present one. You will see therefore that the law is such as to insure justice to the owner, and that no action of the town can deprive individual investment of its legal dues.

It does not appear to the Committee that for many years a plant operated as a business enterprise can be made profitable and *give first class service*, as the differences in figures between a municipal and a private plant are very radical.

The town will sell its bonds or borrow its money at a rate of interest of practically 3¼%. This it is able to do, not by giving security on the electric light plant, but security upon the whole town. On the other hand, no private enterprise can figure less than 6% on capital, and must provide a Sinking Fund or allow for depreciation, in addition to a reasonable return for management and services; and upon any fair estimate of income it may be seen that a plant such as we propose would not attract private capital. Our plan provides, first, practically, fire-proof construction; second, a duplicate plant, namely two boilers (already in the plant), two engines, 50 horse power each, two dynamos, with a rated capacity of 500 lights each, each of which is of sufficient capacity to supply the immediate wants. It can operate the plant in connection with its pumping station at a moderate cost and under the most favorable conditions. Against this you must consider that the present plant, from the character of its construction, is liable to destruction by fire; no provision is made for accident (single engine and single generator), so that in case of accident the town would be left without lights until repairs could be made; light is furnished now only until 11 or 11.30, without provision for emergency or morning lights, making some independent provision for light absolutely necessary by every present taker.

In making this preliminary estimate we have covered for fifteen miles of wire, or nearly six miles in excess of the present service covered by the water mains. This would allow for wires

to the town line on the Concord road, for extension on the Boston road from Tufts lane to the so-called Merriam place, and allow 1½ miles for extensions as desirable and reasonable. The cost of poles and wires, not allowing for rock in excavations for post holes, is approximately $500 per mile, so that in case the town votes to establish a plant, it is reasonable and fair to supply the lights to the largest possible territory, and wherever there is a moderate prospective earning capacity for the plant.

The second plan contemplates establishing a plant for distribution *only*, and buying current of "The Lowell Electric Light Corporation." In this case about two miles of additional wires would be required to bring the current from the town line to the pumping plant, as a central point for distribution, at a cost of say $1,000. Taking the previous estimate of cost of a complete plant ($25,000), and deducting the estimated cost of building, dynamos, and engines ($8,075), and adding the cost for additional wiring ($1,000), we get $17,925 as the estimated cost of a distributing plant, or say $18,000. The Lowell Electric Light Corporation propose to deliver current at the pumping station for five cents per killowatt hour under a contract for five years.

We have previously estimated an immediate income from street and house lighting of $3,000, and estimating this upon a rate of fifteen cents per killowatt (the present rate is eighteen cents) it follows that the amount to be paid to the Lowell Electric Light Corporation at five cents per killowatt would be one-third this amount, or say $1,000. On this basis, then, we may figure maintenance as follows:

$18,000 30 year 4 % bonds, interest	$ 720 00	
Sinking Fund	360 00	
Cost of Current	1,000 00	
		$2,080 00

Assuming same rate of premium from bonds, the Sinking Fund requirements for the first six years would be nothing, reducing cost of maintenance to $1,720; or in case of a 3½% bond the annual interest charge would be reduced to $630, with two years provision from Sinking Fund from premium, making cost of maintenance but $1,630 per year for the first two years. In addition to this there is the cost of collecting monthly bills, and of keeping poles and wires in order. If our estimate of income is approximately correct the operation of this plant would be a

profit to rather than a *tax upon* the town. In this connection it is proper to say that while the cost of poles and wires is fixed at approximately $500 per mile, and the town's investment in this line depends upon the territory covered, *regardless of number of takers of light*, yet the cost for meters, transformers and services depends wholly upon number of takers. Under present conditions of cost, meters and transformers may be estimated at $2.50 per lamp, so that our estimate of $2,500 for 1,000 lights would be increased to $3,750 for 1,500 lights. This increase may be reasonably expected, the cost of which, your committee believes, is covered by their estimate in either case, together with the smaller charge for additional service.

Should the town decide to adopt the second and smaller plan, it should be kept in mind that it is simply carrying out a part of the first and larger plan, and that if at the end of five years it seems best to the voters of the town to complete the construction of its plant, it only remains to put dynamos and engines in an addition to the pumping station, and connect with the wiring system already established.

Your committee naturally inclines to the general plan and idea of complete town ownership, and of being independent of any and everybody. But in the consideration of any business proposition (and this is such), business judgment should pevail against any feeling of sentiment, and, sentiment aside, our best judgment leads us to unhesitatingly recommend the general plan of building a *distributing plant only* at present, and buying current of the Lowell Company. The first few years of any public necessity or utility are always the least profitable. The general use of electric light in our town will come about when its advantages as to quality and cost, as compared with oil lights, are fully demonstrated. While such demonstration is being made, the already established plant of the Lowell Company is equipped to take on our requirement at a small profit to themselves, and still at a rate as low or lower than we could supply.

At the end of five years we believe the lights will be quite generally used, and then, with a practically known consumption, the town can intelligently judge whether or not it can buy or manufacture the more cheaply.

Should the town at this meeting decide that it is expedient to exercise the authority conferred in Sec. 1, Chap. 370, Acts

of 1891, it might be possible to get a more definite estimate of cost before the next meeting, but the figures given herewith are accurate enough for the town to decide whether or not the undertaking is wise.

SIDNEY A. BULL,
J. NELSON PARKER,
H. W. SHELDON.

Moved by M. C. Mitchell that the report, as above recorded, presented by J. N. Parker for the committee, be accepted and that the committee be continued until the question is finally settled. This motion unanimously prevailed.

ART. 3. The following motion was presented by S. A. Bull. "I move that a vote be now taken by ballot under Article 3 as to whether it is expedient for the town of Billerica to exercise the authority conferred by Section 1 of Chapter 370 of the Acts of 1891, entitled 'An Act to enable Cities and Towns to Manufacture and distribute gas and electricity.'" After a full discussion of the question the ballot was taken which resulted as follows. Whole number of votes 106, Yes 73, No 33. The moderator declared the motion carried in the affirmative.

The following resolutions were offered by J. N. Parker and unanimously adopted by a rising vote.

Resolved: That we are pained to learn of the death of Rev. H. A. Hazen, a former citizen and the historian of Billerica.

Resolved: That the voters of Billerica in town meeting assembled extend their hearty sympathy to his family in their great loss.

On motion of F. Jaquith the meeting was dissolved.

Attest: HERBERT A. KING,

Town Clerk.

TOWN MEETING OF OCTOBER 15, 1900.

COMMONWEALTH OF MASSACHUSETTS, }
MIDDLESEX SS. }

To Everett W. Livingston, Constable of the Town of Billerica, GREETING:

You are hereby authorized and required to notify and warn the inhabitants of the said Town of Billerica qualified by law to

vote in elections and town affairs, to meet at the Town Hall, in said town, on Monday evening, October 15, at 7.45 o'clock, to act upon the following articles:

ART. 1. To choose a moderator to preside at said meeting.

ART. 2. To see if the town will vote to exercise the authority conferred by Chapter 370 of the Acts of the Legislature of the Commonwealth of Massachusetts for the year 1891, and the subsequent amendments thereto, entitled, "An Act to enable cities and towns to manufacture and distribute gas and electricity"; or do anything in relation to the same.

In the event of affirmative action under Article 2, to act on the following articles: numbered respectively 3, 4, 5, 6, 7, 8, 9, 10.

ART. 3. To see if the town will purchase, construct, establish, and maintain within its limits a plant for both the manufacture and distribution, or the distribution only, of electricity for furnishing light for municipal use and the use of such of its inhabitants as may require the same, as provided in Section 1 of Chapter 370 of the Acts of 1891, and Section 8 of Chapter 454 of the Acts of 1893, and the several amendments and additions thereto; or do anything in relation to the same.

ART. 4. To see if the town will choose from its citizens three persons to be known as the Municipal Light Board, one for one year, one for two years, and one for three years, and if so, to make choice of the same at said meeting, as provided in Section 10 of Chapter 454 of the Acts of 1893; or do anything in relation to the same.

ART. 5. To see if the town will authorize its Municipal Light Board, or any committee at said meeting thereto appointed, to purchase from Walter A. Drucker his existing electric light plant in said Billerica (if he shall in compliance with the statutes relating to the subject elect to sell the same), or so much thereof as the town is by law compelled to purchase, and to acquire a title thereto in the name and behalf of the town at a price not to exceed an amount fixed at said meeting or left to the discretion of said Board or committee; or do anything in relation to the same.

ART. 6. To see if the town will authorize its Municipal Light Board, or any committee thereto appointed at said meeting, to contract in the name and behalf of the town with the Lowell Electric Light Corporation of Lowell, Mass., to furnish the

town for a period not exceeding ten years, or such time as the town may determine, with the electricity necessary for an electric light plant for the distribution within the town limits of electricity for municipal or other electric lighting, as authorized under Section 1 of Chapter 370 of the Acts of 1891 and Section 8 of said Chapter 454 of the Acts of 1893, and the amendments and additions thereto; or do anything in relation to the same.

Art. 7. To see if the town will authorize its Municipal Light Board, or any committee thereto appointed at said meeting, to reconstruct, extend, or enlarge at their discretion the existing electric light plant of Walter A. Drucker, or so much thereof as the town shall purchase, for the purpose of making connections at the town line with the wires of the Lowell Electric Light Corporation and for such other purposes and to such extent as to said Board or committee may seem advisable; or do anything in relation to the same.

Art. 8. To see if the town will issue bonds as provided in Section 4 of said Chapter 370 of the Acts of 1891, and any addition or amendment thereto, for the purpose of raising the funds necessary to purchase, construct, extend, and establish an electric light plant within its limits for both the manufacture and distribution, or the distribution only, as the town may decide, of electricity for furnishing light for municipal use and for the use of such of its inhabitants as may require and pay for the same, and, within the restrictions of the statutes relating thereto, fix the amount, time of payment, rate of interest, and form thereof; or do anything in relation to the same.

Art. 9. To see if the town will establish a sinking fund for the payment of said bonds and raise annually a sum sufficient to extinguish such indebtedness at maturity, or act in relation to the same, as provided in Section 4 of said Chapter 370 of the Acts of 1891, and any amendment or addition thereto; or do anything in relation to the same.

Art. 10. To see if the town will borrow, as provided in Section 4 of said Chapter 370 and Section 6 therein referred to of the Public Statutes, as amended, and any amendments or additions to either of said sections, a sum of money to pay the operating expenses of an electric light plant, should the town vote to establish one within its limits; or do anything in relation to the same.

Art. 11. To see if the town will vote to borrow and appropriate the sum of $300 to be expended by the School Committee for obtaining plans, specifications and estimates for a new six (6) room school building, to be erected at North Billerica; or do anything in relation to the same.

D. Moyer Staley,
Fred A. Casey,
Allan Bottomley.

Oct. 3, 1900.

And you are to serve this warrant by posting attested copies thereof, one copy at the Town Hall, one copy in each of the post offices of the town, and one copy in each of the porches or vestibules of the several churches in town, at least eight days before said meeting.

Hereof fail not, and make return of this warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands, this fourth day of October, in the year of our Lord nineteen hundred.

Chas. H. Kolrausch, Jr.,
Edward B. Haskell,
Josiah Wright,
Selectmen of Billerica.

A true copy. Attest:

Everett W. Livingston,
Constable.

Billerica, Oct. 15, 1900.

I have served this warrant as therein directed.

Everett W. Livingston,
Constable of Billerica.

At a legal meeting held under the foregoing warrant, the following action was taken:

Art. 1. Chose C. H. Kohlrausch moderator by the use of ballot and check list, who was duly sworn by the clerk.

The moderator appointed as tellers A. W. Holden, Jos. S. Holt, Natt H. Hutchins, Chas. L. Beck, who were sworn by the clerk.

ART. 2. Sidney A. Bull offered the following: I move that a vote be now taken by ballot, under Art. 2, as to whether it is expedient for the Town of Billerica to exercise the authority conferred by Sec. 1 of Chap. 370 of the Acts of 1891, entitled "An act to enable cities and towns to manufacture and distribute gas and electricity."

The following report was then read by J. N. Parker:

As intimated in our previous report, your committee has endeavored to get more accurate bids for the construction of a distributing electric light plant since the last town meeting.

We were able to get the representatives of three contracting firms to come out and go over the ground, and each one of them has presented an approximate bid, but as they worked without definite and positive specifications, such bids were presented as estimates only. From these estimates, and from conversation with these parties, your committee has received information which leads them to change their former figures somewhat. But first we wish to say that we recommend the town to establish a distributing plant only, and for the present, at any rate, give no consideration to the plan of constructing a plant for manufacturing. Based upon all the information we have obtained, our estimates for a distributing plant are as follows:

To cover the present pipe line of the water system; extending wires from Mitchell's school to the Bedford line, and from Tuft's lane to the Merriam place, in the so-called "Knowles" district; establishing 160 street lamps, bringing a feed wire from the Chelmsford line, or the Lowell road, to the present pumping station, putting in 60 commercial services (with 1,500 lamps), with meters and transformers for the same, all complete, and entirely of new construction, without considering present plant, $13,500.

Deducting from this the best offer we have yet obtained for the Drucker plant ($2,000), we have for net cost of plant, $11,500.

To this must be added the cost to the town by the purchase of the existing plant, for which Mr. Drucker has submitted a price of $11,000. Your committee in their previous report described fully the method of fixing the price in case the town fails to agree with Mr. Drucker, and should the town now decide to establish its own plant, it seems that this method must be appealed to.

With what knowledge we are able to get as to the cost of this plant, with the clearness with which the law describes the basis upon which valuation must be made, and with $2.000 the best offer yet obtainable for the property, it seems unlikely that any common ground can be found, except upon the award of a commissioner. For the purpose of getting some reasonable basis for figures we will suppose the town pays $6,000 for the plant, making the total cost $17.500.

Upon this basis we submit the following calculations.

Annual Interest Charge	$700 00
Sinking Fund	350 00
Labor	900 00
Cost of current for 160 street lamps, 140 hours per month	1,200 00
Cost of current for 60 commercial services	900 00
	$4,050 00

But as the premium on bonds will provide for Sinking Fund requirements for six years, the fixed charges for the present will be $3,700 per year. Against this we estimate, after the first year, and increasing thereafter, an income from commercial lighting of $2,500.

Appropriation for street lighting, $1,500. Total, $4,000.

In making this estimate of income we have based our figures upon a rate of 18 cents, with no charge for lamps, instead of 15 cents, as mentioned in previous report. There are these reasons for this: first, that a rate may be charged sufficiently high to prevent any considerable deficit during the first few or construction years, and that those who benefit by the light shall pay for it; second, that 18 cents is an average low rate, and third, that the 15 cent rate was only apparently possible at the start, on account of an error in figuring the actual cost of current for street lighting. Mr. Drucker charged 18 cents per kilowatt for house service, and $12 per year for street lights, and upon the price of 5 cents per kilowatt quoted for current from Lowell, we estimated the same percentage of saving to the town in cost of street lighting as upon house lighting. But in later investigations we found that existing rates for street and house lighting were wholly disproportionate, in that a rate for street lighting equivalent to the 18 cent rate for house lighting would be about $26.50 per year, instead of $12. This accounts for the increase in esti-

mated cost of current for street lighting from $500 in previous report to $1,200 as above, including in this latter estimate, however, 10 additional lamps. The error was made in assuming that the present rates for house and street lighting were upon the same relative basis.

Your committee wish further to state briefly their firm conviction in the wisdom of the town owning its own plant. Estimates of income and of cost are, after all, estimates only, and are liable to error, but the situation is substantially this: first, it is moderately certain that the cost will be inside of $20,000; second, that fixed charges will be approximately $2,000 per year; third, that with street lights in the two villages, and through the main street connecting the two villages, also on both the Boston and Bedford roads, an appropriation of $1,500, is more reasonable and desirable than the present one of $700, considering the service rendered. Now, then, against this fixed charge of $2,000 is the profit of supplying current at 18c., which costs, including lamps and waste, 6 to 6½c. Now, with 300 houses on or near the electric lines, it seems to be simply a good business proposition for the future, for the town to own its own plant. The amount, quality, safety and convenience of electric lights as against the quality, cost, inconvenience, danger and care of kerosene must, and will, result in the gradual displacing of the latter. With one-half only of the people on the line taking lights, the rates would be materially reduced, and still the plant be self-supporting; on the contrary, it is equally certain that neither the present nor any private enterprise could reasonably be expected or afford to supply current as cheaply or as well for commercial lighting, or give a similar amount of street lighting for less than $2,500. Our people have had a limited experience in the matter of street lighting, and, as certain as daylight follows darkness, electric street lighting will be demanded for the future, and steadily growing appropriations will be asked for, whether or not the town assumes ownership of its plant.

If this lighting be done by a private company the cost will be infinitely greater than if done by the town. Electric lighting has passed beyond the experimental stage — it is here, and here to stay.

With the equipment already owned by the town at the pumping station, enabling the town at any time in the future

(when it shall become desirable) to manufacture its own current upon the most advantageous terms, it seems to be simply the exercise of good business judgment and foresight to establish its own plant. Failure now means a delay of two years, and your committee believe that the town will never be permanently satisfied with anything but a municipal plant. They also believe that the longer the delay the more it will cost, and that, however much the voters may resent the necessity of paying Mr. Drucker more than his plant is worth to the town, there is nothing to be gained by delay.

SIDNEY A. BULL,
J. NELSON PARKER,
HERBERT W. SHELDON.

The main question was then discussed by R. Faulkner, R. Barrington, S. A Bull, Wm. Balmforth, D. O'Keefe, F. S. Clark, D. M. Staley, J. N. Parker, J. A. Richardson, and Frank Alexander.

The polls were opened at 9-15 P. M., and closed at 9-40 P. M.

Whole number of votes cast	203
Necessary for the motion to prevail	136
No	105
Yes	98

The moderator declared the motion to be lost. The Chair then stated if there was unanimous consent, Articles 3, 4, 5, 6, 7, 8, 9 and 10 would be passed. No objection appearing, these articles were passed, and Article 11 taken up.

ART. 11. The following motion was presented by Allan Bottomley: Motion that the Town Treasurer be authorized to borrow, if necessary, $300, and give the town's note, payable in one year, at the best obtainable rate of interest, and that the proceeds be used by the School Committee to obtain plans and estimates of cost of a new school building at North Billerica. The vote upon this motion was, Yes 93, No 1, and it was declared carried by the moderator.

On motion of F. S. Clark the meeting then voted to dissolve.

Attest: HERBERT A. KING,
Town Clerk.

COMMONWEALTH OF MASSACHUSETTS. }
MIDDLESEX, ss. }

To Everett W. Livingston, Constable of the Town of Billerica,

GREETING:

You are hereby authorized and required to notify and warn the inhabitants of the said Town of Billerica, qualified by law to vote in elections and town affairs, to meet: Precinct One, Town Hall, Billerica Centre, 6 30 A. M.; Precinct Two, Republican Club building, North Billerica, 9 A. M., Tuesday, November 6, 1900, to bring in your votes on one ballot for the following officers:

Fifteen Electors of President and Vice President of the United States, Governor, Lieutenant Governor, Secretary, Treasurer, Auditor, Attorney General, Councillor, 6th Middlesex District; Representative in Congress, 4th District; Senator, 6th Middlesex District; Two Representatives in General Court, 27th Middlesex District; County Commissioner, Register of Deeds, County Treasurer.

And you are to serve this warrant by posting attested copies thereof, one copy at Town Hall, one copy in each of the post offices of the town, and one copy in each of the porches or vestibules of the several churches in town, at least eight days before said meeting.

Hereof fail not, and make due return of this warrant with your doings thereon, at the time and place of said meeting.

Given under our hands this Twenty-sixth day of October, in the year of our Lord Nineteen Hundred.

CHARLES H. KOHLRAUSCH, Jr.,
EDWARD B. HASKELL,
JOSIAH WRIGHT,
Selectmen of Billerica.

A true copy. Attest: EVERETT W. LIVINGSTON,
Constable.

BILLERICA, NOV. 6, 1900.

I have served the above warrant as therein directed.

EVERETT W. LIVINGSTON, *Constable.*

At a legal meeting held under the foregoing Warrant the following vote was returned by the Precinct Officers:

PRECINCT ONE.

President and Vice President.

Bryan and Stevenson	43
Debs and Harriman	1
Maloney and Remmel	0
McKinley and Roosevelt	179
Woolley and Metcalf	9
Blanks	16

Governor.

Michael T. Berry of Haverhill	0
Charles H. Bradley of Haverhill	3
W. Murray Crane of Dalton	180
John M. Fisher of Attleboro	5
Robert Treat Paine, Jr., of Boston	30
Blanks	30

Lieutenant Governor.

John L. Bates of Boston	180
John B. O'Donnell of Northampton	29
Wilbur M. Purrington of Williamsburg	5
Moritz E. Ruther of Holyoke	0
George H. Wrenn of Springfield	1
Blanks	33

Secretary.

Addison W. Barr of Worcester	0
Alfred E. Jones of Everett	1
William M. Olin of Boston	179
William H. Partridge of Newton	6
Luther Stephenson of Hingham	29
Blanks	33

Treasurer.

Edward S. Bradford of Springfield	179
Joseph L. Chalifoux of Lowell	28
Napoleon B. Johnson of Milford	7
Fred A. Nagler of Springfield	0
Stephen O'Shaughnessy of Boston	1
Blanks	33

Auditor.

Elbridge Gerry Brown of Brockton	31
Frank Albin Forsstrom of Worcester	0
William G. Merrill of Malden	6
Henry E. Turner of Malden	175
Frank S. Walsh of Brockton	2
Blanks	34

Attorney General.

John A. Billings of Rockland	1
Allen Coffin of Nantucket	5
John C. Crosby of Pittsfield	30
Hosea M. Knowlton of New Bedford	179
Frank MacDonald of Stoneham	0
Blanks	33

Representative in Congress.—Fourth District.

Charles D. Lewis of Framingham	36
Charles Q. Tirrell of Natick	183
Blanks	29

Councillor.—Sixth District.

S. Herbert Howe of Marlborough	184
John J. Mahoney of Lowell	31
Edwin S. Mayo of Everett	1
Blanks	32

Senator.—Sixth Middlesex District.

Frank L. Blood of Groton	32
Herbert E. Fletcher of Westford	185
Blanks	31

Representatives in General Court.—27th Middlesex District.

Michael H. Brady of Lowell	37
Chester W. Clark of Wilmington	173
William H. Downs of Lowell	142
James R. Sullivan of Lowell	30
Blanks	114

County Commissioner.—Middlesex.

Truman W. Hagar of Framingham	34
John O'Donnell of Woburn	2
Samuel O. Upham of Waltham	180
Blanks	32

Register of Deeds.—Middlesex Northern District.

James Everett of Lowell	12
Joseph P. Thompson of Lowell	188
Blanks	48

County Treasurer.—Middlesex.

Albert M. Grant of Everett	12
Joseph O. Hayden of Somerville	183
Blanks	53
Total vote of Precinct One	248

PRECINCT TWO.

President and Vice President.

Bryan and Stevenson	98
Debs and Harriman	1
Maloney and Remmel	0
McKinley and Roosevelt	152
Woolley and Metcalf	1
Blanks	22

Governor.

Michael T. Berry of Haverhill	2
Charles H. Bradley of Haverhill	2
W. Murray Crane of Dalton	150
John M. Fisher of Attleborough	2
Robert Treat Paine, Jr., of Boston	87
Blanks	37

Lieutenant Governor.

John L. Bates of Boston	148
John B. O'Donnell of Northampton	83
Wilbur M. Purrington of Williamsburg	2
Moritz E. Ruther of Holyoke	2
George H. Wrenn of Springfield	1
Blanks	44

Secretary.

Addison W. Barr of Worcester	2
Alfred E. Jones of Everett	3
William M. Olin of Boston	146
William H. Partridge of Newton	1
Luther Stephenson of Hingham	83
Blanks	45

Treasurer.

Edward S. Bradford of Springfield	141
Joseph L. Chalifoux of Lowell	93
Napoleon B. Johnson of Milford	1
Fred A. Nagler of Springfield	2
Stephen O'Shaughnessy of Boston	1
Blanks	42

Auditor.

Elbridge Gerry Brown of Brockton	87
Frank Albin Forsstrom of Worcester	2
William G. Merrill of Malden	5
Henry E. Turner of Malden	140
Frank S. Walsh of Brockton	2
Blanks	44

Attorney General.

John A. Billings of Rockland	0
Allen Coffin of Nantucket	1
John C. Crosby of Pittsfield	86
Hosea M. Knowlton of New Bedford	147
Frank MacDonald of Stoneham	3
Blanks	43

Representative in Congress.—Fourth District.

Charles D. Lewis of Framingham	99
Charles Q. Tirrell of Natick	141
Blanks	40

Councillor.—Sixth District.

S. Herbert Howe of Marlborough	139
John J. Mahoney of Lowell	94
Edwin S. Mayo of Everett	2
Blanks	45

Senator.—Sixth Middlesex District.

Frank L. Blood of Groton	93
Herbert E. Fletcher of Westford	142
Blanks	45

Representatives in General Court.—27th Middlesex District.

Michael H. Brady of Lowell	96
Chester W. Clark of Wilmington	132
William H. Downs of Lowell	117
James R. Sullivan of Lowell	95
Blanks	120

County Commissioner.—Middlesex.

Truman W. Hagar of Framingham	93
John O'Donnell of Woburn	3
Samuel O. Upham of Waltham	146
Blanks	38

Register of Deeds.—Middlesex Northern District.

James Everett of Lowell	39
Joseph P. Thompson of Lowell	149
Blanks	92

County Treasurer.—Middlesex.

Albert M. Grant of Everett	43
Joseph O. Hayden of Somerville	151
Blanks	86
Total vote of Precinct Two	280

Attest: HERBERT A. KING, *Town Clerk.*

COMMONWEALTH OF MASSACHUSETTS.

COUNTY OF MIDDLESEX. CITY OF LOWELL.

City Cerk's Office, City Hall,
November 16, 1900. 12 o'clock.

We, the undersigned, clerks of the city and towns included in the Twenty-seventh Middlesex Representative District, certify that a meeting of said clerks was holden as directed by Section 254, Chapter 548 of the Acts of 1898, at the place designated by the County Commissioners, to wit: at the City Clerk's Office, City Hall, Lowell, Mass., on the date and at the time above written, for the purpose of determining who appeared to be elected to the office of representative in the General Court from said district, and they did examine and compare the record of votes given in for said office at the election holden on the sixth day of November, A. D, 1900, in the several precincts of the city of Lowell, and in the several towns of which said district is comprised, and we further certify the following to be a true and complete schedule of all the persons voted for for Representatives in said District, and as shown by the said copies of record the number of votes for each person:

Whole number of ballots	4.975
Michael H. Brady, of Lowell, had one thousand nine hundred and thirty-six	1,936
Chester W. Clark, of Wilmington, had two thousand and eighty-four	2,084
William H. Downs, of Lowell, had two thousand and sixteen	2,016
James R. Sullivan, of Lowell, had one thousand seven hundred and ninety-two	1,792
Gilman Nicklas, one vote	1
Chas. Spaulding, one vote	1
Blanks, two thousand one hundred and twenty	2,120
Whole number of votes, seven thousand eight hundred and twenty-eight	7,828

GERARD P. DADMAN, *City Clerk, Lowell.*
HERBERT A. KING, *Town Clerk, Billerica.*
SAMUEL SEWALL, *Town Clerk, Burlington.*
DANIEL W. ROBBINS, *Town Clerk, Carlisle.*
GAYTON M. HALL, *Town Clerk, Dracut.*
ARTHUR F. UPTON, *Town Clerk, North Reading.*
JOHN H. CHANDLER, *Town Clerk, Tewksbury.*
JAMES E. KELLEY, *Town Clerk, Wilmington.*

BIRTHS RECORDED IN 1900.

No.	Date.		Name of Child.	Name of Parents.
1.	Jan.	1.	Esther Cole	Elmer E. and Mary Lizzie
2	"	2.	Ada Marion Downs	Arthur and Jemima
3.	"	10.	Florence Amelia Fraser	Alex Wm. and Dolora Marian
4.	"	17.	Margaret Mary Griffin	Michael and Bridget
5.	"	18.	Jennie May Rollins	Warren and Adeline
6.	"	25.	Charles Frederick Higgins	Patrick and Mary
7.	"	26.	Winfield Merton Roome	Frank J. and Nellie A.
8.	"	30.	Agnes Lyons	Thomas Francis and Bridget Isabella
9.	Feb.	1.	Lucy Garner	William and Ada
10.	"	1.	Mary Etta Kearney	Bernard W. and Katherine A.
11.	"	4.	——— Norris	Samuel and Emma
12.	"	5.	Mary Agnes Ennion	George and Minnie
13.	"	10.	Esther Monohan	William and Johanna
14.	"	15.	Gertrude Mahoney	Timothy and Hattie
15.	Mar.	9.	Edna Viola Frances Jackson	Howard and Emma
16.	"	11.	Laura P. Holman	Peder and Lena
17.	"	12.	Earl Alexander Allen	Alexander and Maggie
18.	"	16.	——— Smith	Wm. H. and Maude G.
19.	"	26.	Thomas Francis O'Neil	James and Margaret Mary
20.	"	26.	Tufve Magnus Swanson	Anton J. and Elina J.
21.	Apr.	5.	Seabell Rohrer	S. Rudolph and Isabella
22.	"	7.	Frederick Douglas McMahon	Edward L. and Rachel
23.	"	21.	Esther V. Regan	Daniel and Mary
24	May	2.	Edwin Arnold Moore	William A. and Florence E.
25.	"	4.	Victor Norman Schult	Carl and Carolyn
26.	"	15.	Augustus Gregory Sheehan	Winnie ———
27.	"	15.	Alena May Simpson	James L., and Jennie
28.	"	29.	Frances Lillian Condon	John and Ellen
29.	"	25.	Thomas Alfred Porter	Richard and Elizabeth
30.	"	30.	Edith Amanda Williams	Charles Henry and Delia
31.	"	31.	Mary Lillian Coughlin	John and Mary H.
32.	June	12.	Marshal Lodge Umpleby,	Thomas Burton and Gertrude
33.	"	14.	Mary Jane Carney	Jesse and Elizabeth
34.	"	20.	Irene Rita Fairbrother	John T. and Lucy Agnes
35.	July	1.	James J. O'Brien	Jerry and Bridget
36.	"	18.	Winifred Rowena Fisk	Merton L. and Mary B.
37.	"	24.	Leo Matthew Fallon	Matthew and Minnie
38	"	24.	James Albert Moran	James T. and Esther

39.	"	29.	James Casey	William and Mary
40.	Aug.	16.	Charles Lawrence Buckley	Lawrence and Margaret J.
41.	"	17.	Marian Gertrude Biggerstaff	William J. and Mary
42.	"	23.	Harriett Louise Burtt	Arthur H. and Isabella G.
43.	Sept.	1.	Arlette Corkum	Delacy and Carrie C.
44.	"	27.	Alphonse Brabant	Alphonse and Ernestine
45.	Oct.	4.	Jennie Mae Storey	Thomas and Jane
46.	"	19.	Raymond Herman Schmelzer	Henry L.P. BerthaE. D.
47.	Nov.	1.	Sumner Guy Dole	Geo. Augustus and Bertha Lillian
48.	"	15.	Gladys Holden	Roland B. and Florence L.
49.	Aug.	9.	Joseph Thomas Donelon	Patrick and Mary
50.	Dec.	21.	Ruth Van Valkenburg	Frederick and Anna E.
51.	"	17.	Alice Estella Newell	John and Patience M.
52.	Nov.	7.	Geo. Melvin Morris	Charles and Selina
53.	June	3.	Leroy Oscar Bicknell	Frank J. and Nellie M.
54.	Sept.	1.	Mabel Agnes Higgins	John and Mary

Attest : HERBERT A. KING,

Town Clerk.

DEATHS RECORDED IN 1900.

No.	Date.	Name.	Age. Yrs.	Mos.	Dys.
1.	Jan. 8.	Charles L. Mahoney	—	5	—
2.	" 12.	Adeline V. Fletcher	70	—	—
3.	" 23.	Leon K. Eaton	11	1	27
4.	Feb. 4.	(Infant) Norris	—	—	—
5.	" 26.	George Nickles	41	1	14
6.	" 27.	Mary A. Cummings	72	—	—
7.	Mar. 5.	Charles N. Hannaford	74	7	—
8.	" 7.	Ethel Maud Ash	—	3	2
9.	" 10.	John J. Lacey	27	—	—
10.	" 16.	(Infant) Smith	—	—	—
11.	" 25.	Lydia Ann Blanchard	88	3	7
12.	" 27.	Christina Swanson	67	2	9
13.	" 28.	John Edward Bottomley	52	5	7
14.	" 28.	Thomas F. O'Neil	—	—	2
15.	Apr. 4.	William Broderick	25	—	—
16.	" 6.	Daniel Callahan	65	—	—
17.	" 10.	Phebe Tully	56	—	—
18.	" 10.	Rufus Russell	81	11	2
19.	" 13.	Bessie Alice Switzer	1	3	15
20.	" 15.	Sarah L. Faulcon	33	—	—
21.	" 26.	John O'Rourke	20	—	—
22.	May 1.	John Downey	80	—	—
23.	" 9.	Abbie E. Dunn	54	7	—
24.	" 15.	Mary A. Campbell	18	3	—
25.	" 16.	Margaret Mary McCarthy	21	11	25
26.	June 4.	Sophia Howard	96	9	23
27.	" 15.	Chester M. Dickey	8	—	—
28.	" 25.	Lavinia S. Richardson	96	1	24
29.	July 6.	John Latham	26	5	24
30.	" 17.	Ellen Mullen	59	—	—
31.	" 23.	Julia Maria Patenaud	1	3	—
32.	" 25.	Robert Latham	30	—	26
33.	Aug. 4.	Jesse Patrick Carney	27	—	—
34.	" 7.	Hattie M. Lambert	23	—	—
35.	" 24.	Susie Cheney Tuteen	26	9	27
36.	" 9.	George Wilson Greenwood	16	11	13
37.	" 17.	Joseph B. Young	49	5	14

38.	"	26.	John Canning	74	—	—
39.	Sept.	15.	Lucinda Tufts	66	10	16
40.	Oct.	3.	Michael Ready	61	—	—
41.	"	12.	Annie Hogan	46	—	—
42.	"	21.	Charles E. Blaisdell	55	9	9
43.	"	25.	Nathan A. Richardson	56	—	24
44.	"	27.	John M. Graham	16	6	—
45.	Nov.	4.	Marion Frances Kittredge	4	—	4
46.	Dec.	7.	Helen E. McManus	—	3	26
47.	"	16.	Patrick F. Broderick	28	—	—
48.	"	19.	Loyd Whitney Stott	4	3	27
49.	"	19.	Raymond E. Spencer	5	2	—
50.	"	22.	Rachel Etta Wadman	—	5	7
51.	"	21.	James Phillip Stewart	50	8	—
52.	"	24.	Jennie S. Twombly	33	—	—
53.	"	28.	John Kittredge	74	11	20

BURIALS IN BILLERICA OF NON-RESIDENTS DYING ELSEWHERE.

No.	Date.		Name. Place of Death.	Age. Yrs.	Mos.	Dys.
1.	Mar.	7.	Otis N. Marshall, Lowell	62	9	17
2.	"	19.	Daniel Floyd, Lowell	91	11	18
3.	Apr.	2.	David Fisher, Chelmsford	89	3	11
4.	"	16.	Mary L. Hill, Lowell	62	11	19
5.	June	5.	Asa P. Manning, Lowell	74	7	8

HERBERT A. KING,
Town Clerk.

MARRIAGES IN BILLERICA DURING 1900.

Date.	Names.	Residence.
Jan. 8, '00.	James F. Conley	Billerica
	Annie Bradford	Richmond
Jan. 11, '00.	Herbert Walker	Lowell
	Annie Keegan	Billerica
Apr. 18, '00.	Cornelius Sullivan	Haverhill
	Nora Mahoney	Billerica
Apr. 4, '00.	John B. Barnes	Billerica
	Lucy Jane Smith	Billerica
May 2, '00.	Harry D. Mallett	Billerica
	Fannie Louise Hawes	Billerica
May 31, '00.	Herman Winthrop Pierce	Billerica
	Ethel Davis	Brookline
June 24, '00.	Elijah D. Nickles	Billerica
	Nellie E. Linnehan	Lowell
July 10, '00.	George P. Kelley	Lowell
	Sybil F. Hall	Billerica
Aug. 1, '00.	Oliver Ormrod	Billerica
	Mary Ann Walker	Billerica
Aug. 1, '00.	Harry B. Treadwell	Tewksbury
	Ida L. Mears	Billerica
Aug. 19, '00.	Alfred Ferron	Billerica
	Alice Marston	Billerica
Sept. 22, '00.	Henry W. Harvey	Billerica
	Olive J. Olney	Billerica
Sept. 24, '00.	Charles J. Kane	Billerica
	Elizabeth J. Owens	Billerica
Oct. 4, '00.	Gideon Wallace Simpson	Philadelphia, Pa.
	Charlotte E. Livers	Boston
Nov. 21, '00.	Arthur Franklin Sawyer	Salem
	Nellie Susan Page	Billerica
Nov. 28, '00.	John J. Conley	Billerica
	Margaret Lacey	Billerica
Nov. 29, '00.	Alonzo Somers	Billerica
	Alice Jackson	Billerica

HERBERT A. KING,
Town Clerk.

LIST OF PERSONS HAVING DOGS LICENSED DURING THE YEAR 1900.

No.	Names.	No.	Names.
1.	T. G. Messer,	35.	Mrs. S. Dutton,
2.	Truman G. Messer,	36.	John Hockyard,
3.	Fred C. Smith,	37.	H. B. Richardson,
4.	E. J. Sanborn,	38.	Arthur Switzer,
5.	C. H. Kohlrausch, Jr.,	39.	M. A. Buck,
6.	John N. Davis,	40.	Amy Putney,
7.	E. F. Twombly,	41.	Chas. J. Hayes,
8.	Timothy Pasho,	42.	Thos. Fayton,
9.	John Sexton,	43.	Josiah Wright,
10.	Henry Schmelzer,	44.	Josiah Wright,
11.	Norman McMillen,	45.	H. Coulter,
12.	Sarah Woods,	46.	H. Coulter,
13.	Patrick H. Mahoney,	47.	N. P. Jones,
14.	W. S. Trefry,	48.	N. P. Jones,
15.	Charles Harmon,	49.	N. P. Jones.
16.	Geo. E. Simonds,	50.	N. P. Jones,
17.	Fuller Twins,	51.	Geo. P. Greenwood,
18.	James T. Haslam,	52.	Mrs. J. Perry,
19.	Fred Wain,	53.	O. Ormrod,
20.	T. G. Cox,	54.	P. J. Bailey,
21.	Geo. Moore,	55.	Wm. Hannon,
22.	Albert Lakeman,	56.	H. W. Essex,
23.	Maggie Sprowl,	57.	Arthur Dodge,
24.	H. W. Sheldon,	58.	P. J. Bailey,
25.	M. H. Kohlrausch,	59.	P. J. Bailey,
26.	Mrs. Rosa Gatter,	60.	P. J. Bailey,
27.	John Nuttall,	61.	John Bailey,
28.	C. L. Page,	62.	John Bailey,
29.	John H. Foster,	63.	Holden & Co.,
30.	Hannah Collins,	64.	Holden & Co.,
31.	Hannah Collins,	65.	Holden & Co.,
32.	Bertha and John Sutcliffe,	66.	R. J. Conway,
33.	J. Warren Richardson,	67.	Wm. Crosby,
34.	Walter E. Foster,	68.	Bert C. Pasho,

No.	Names.
69.	S. P. Beard,
70.	Benj. Wanson,
71.	Fred Mixon,
72.	John Buckley,
73.	Wm. J. Biggerstaff,
74.	F. H. Abele,
75.	W. Pierce,
76.	W. J. Lyons,
77.	F. L. Gleason,
78.	Thos. Lyons,
79.	Randlett Est.,
80.	John W. Morrell,
81.	Edw. Dugan,
82.	Heirs of E. J. Hill,
83.	Michael J. McElligott,
84.	M. C. Mitchell,
85.	Jas. McDermott,
86.	F. H. Parker,
87.	F. H. Parker,
88.	Chas. H. Shed,
89.	C. W. Flanders,
90.	Isaac Hopkinson,
91.	Robert Stott,
92.	Geo. R. Herrick,
93.	Alfred H. Bowman,
94.	Hugh Sherry,
95.	Frank A. Spaulding,
96.	Fred Monroe,
97.	John Shepherd,
98.	Elijah Nickles,
99.	J. B. Robinson,
100.	Henry A. Dutton,
101.	Wm. G. Baker,
102.	John J. Higgins,
103.	John H. O'Brien,
104.	John Hayes,
105.	C. L. Beck,
106.	D. W. Costello,
107.	E. M. Bartlett,
108.	Watson A. Holt,
109.	J. N. Parker,
110.	V. Rollins,
111.	John H. Downing,
112.	A. Dutton,
113.	Orren Maybury,
114.	Chas. Lyons,
115.	A. J. Wilkins,
116.	John E. Farmer,
117.	J. B. Holden,
118.	J. B. Holden,
119.	J. B. Holden,
120.	W. H. Hutchins,
121.	G. Mills,
122.	Chas. F. Stott,
123.	Wm. Symmes,
124.	Albert Stearns,
125.	C. Maloney,
126.	F. A. Casey,
127.	Chas. E. Nuttall,
128.	H. J. Litchfield,
129.	John F. Riley,
130.	James Barrington,
131.	H. Willard,
132.	Joseph Brunelle,
133.	T. M. Harrigan,
134.	Fred Pasho,
135.	F. S. Bartlett,
136.	C. O. Scott,
137.	Chas. Maxwell,
138.	Albert Hilton,
139.	Joseph Garner,
140.	Wm. Casey,
141.	John Morris
142.	Wm. McBride,
143.	J. Mahoney,
144.	A. Bottomley,
145.	S. Metcalf,
146.	Peter Corr,
147.	Walter Pierce,
148.	Angus McKay,
149.	John P. Gregware,
150.	M. V. Dickey,
151.	Edw. O'Toole,
152.	Geo. Fairbrother,
153.	Roger Barrington,
154.	Chas. Fairbrother,
155.	Daniel Norcross,
156.	Dennis Mahoney,
147.	Chas. Cowdrey,
158.	Chas. Nugent,
159.	Bernard Kearney,
160.	Mrs. J. E Bottomley,
161.	Capt. Thos. Talbot,
162.	Capt. Thos. Talbot,

No.	Names.
163.	L. B. Gannon,
164.	Ernest Stott,
165.	Orrin Mumingham,
166.	H. D. Livingston,
167.	E. L. Hawes,
168.	Wm. Ballington,
169.	F. M. Blanchard,
170.	Robt. Faulds,
171.	J. F. Foss,
172.	Geo. H. Conley,
173.	Jonathan Williams,
174.	Joseph Heap,
175.	John E. Dewhurst,

No.	Names.
176.	T. B. Umpleby,
177.	Mrs. Geo. Nichols,
178.	James Ellis,
179.	Warren Shedd,
180.	Warren Shedd,
181.	Warren Shedd,
182.	James Ruth,
183.	Warren H. Manning,
184.	Mrs. M. Monty,
185.	William J. Stewart,
186.	F. C. Bemis,
187.	Fred Gannon,
188.	James W. Manning.

Attest:

HERBERT A. KING,

Town Clerk.

THIRD ANNUAL REPORT

OF THE

WATER COMMISSIONERS.

Notwithstanding another dry year, making two in succession, the supply of water has been ample for all requirements, and the quality continues excellent. The fact that the dry seasons have lowered the level of the water in the ground has obliged us, at times, to run the pumps more frequently and for a longer time at each pumping. This has somewhat increased the cost for fuel.

A six-inch extension has been made into the property of the Talbot Dyewood and Chemical Co., and several new hydrants have been put in at the ends of mains for blowing off.

The financial and statistical statements follow:

MAINTENANCE.

RECEIPTS.

Appropriated by Town		$1,000 00
Appropriated by Town (for hydrants		2,300 00
Meter rates	$1,162 62	
Faucet rates	1,405 80	
Sundries:		
2 maximum rates	50 00	
Boilers	50	
Horses	8 36	
Hay	10 00	
Building purposes	5 28	
Talbot Mills, street sprinkling	22 68	
Guarantee on account of extension of main on Parker St.	15 13	
Interest on Talbot Mills' deposit	4 53	
		$2,684 90
		$5,984 90

EXPENDITURES.

Interest on bonds			$3,600 00
Butterfield Printing Co.,			
Water Report, 1900	$27 50		
Letter Heads, notices, slips	14 75	$42 25	
Jas. L. Robertson & Sons,			
Packing and valves		16 75	
F. J. Dibble, dial records		2 65	
B. W. Kearney,			
Teaming 115 tons coal		58 40	
Talbot Mills, 86.09 tons coal	351 91		
Teaming and weighing coal	14 15		
20⅝ gals. cylinder oil at 30c	6 20		
Miscellaneous shop work	19 40	391 66	
New England Water Works Association, initiation fee		7 00	
Fred C. Smith, use of team		31 25	
Ludlow Valve Mfg. Co.,			
Repairing valve		2 50	
Frederic S. Clark,			
Express charges	1 50		
Supplies	3 60		
Sundries	5 75		
Stamps	6 00	16 85	
Boston & Maine R. R.,			
Freight on 105 tons of coal		79 20	
C. S. Maxwell,			
Distributing Reports		2 00	
C. Callahan Co.,			
50 feet 2½-inch hose	29 00		
One 17-inch brass pipe	1 75	30 75	
Thomas A. Ellis,			
Repairing service joint		1 20	
Thomas H. Lawler, stationery		85	
W. T. S. Bartlett, gauge glasses		3 00	
W. C. Swinington,			
Labor and supplies		2 73	
Thompson Hardware Co.,			
Two 2-in. rd. pt. shovels		2 17	
E. Russell Norton,			
49½ tons coal, $3.75		185 81	
E. F. Twombly, ½ cord wood		1 00	
Edward F. Carley, stamps	1 00		
Cash paid Daniel Dewire,			
labor on wells	17 42		
Services as clerk	50	18 92	
Amount carried forward		$896 94	$3,600 00

Amount brought forward		$896 94	$3,600 00
Norman A. McMillen,			
Services as Superintendent	$1,000 00		
Carfares	5 80		
Cash paid laborers	34 92		
Express	30		
Stamps	2 00		
Travelling expenses	2 12	1,045 14	
H. A. King, postage on vouchers		2 88	
C. B. Coburn & Co., packing	11 90		
Lamp	20	12 10	
			2,006 56
			$5,606 56
Receipts			$5,984 90
Expenditures			5,606 56
Balance unexpended			$378 34

CONSTRUCTION ACCOUNT.

RECEIPTS.

Balance on hand, March 1, 1900		$ 684 71	
Interest on Talbot Mills' deposit	$6 00		
Interest on bank deposit	4 88	10 88	
Service piping		358 59	
Meters		104 50	
Repairing meter		1 50	
Old pipe		50	
Eliza A. Davis, ½ cost of fencing Standpipe Lot		27 40	
Talbot Dyewood & Chemical Co., Extension of main:			
Pipe	725 98		
Pipe laying	392 50		
Hydrants	122 75		
Sundries	88	1,242 11	
Faulkner Mfg. Co., Setting additional hydrant:			
Pipe	10 23		
Pipe laying	6 40		
Hydrant	30 25	46 88	
Pipe covering		1 50	
			$2,478 57

EXPENDITURES.

Main Pipe.			
Warren Foundry & Machine Co.		$729 35	
Main Pipe Laying.			
Taylor & Tylee		462 75	
Gates and Hydrants.			
Ludlow Valve Mfg. Co.			
9 hydrants and 5 hydrant wrenches	$266 67		
Freight on hydrants	6 11	272 78	
Service Piping.			
W. C. Swinington	581 97		
Freight on covering	25		
S. C. Nightingale & Childs,			
Pipe covering	2 92		
Talbot Mills, plank for service pipe trenches	18 58	603 72	
Meters.			
Union Water Meter Co.,			
Meters	87 05		
Repairing meter	1 50		
Talbot Mills, boxing meter	13	88 68	
Land.			
D. W. Fitch,			
Fencing Standpipe Lot	37 99		
Freight on tools	66		
Josiah Wright,			
Grading Standpipe Lot	200 50		
Smith & Brooks,			
Surveying Standpipe Lot	7 50		
Page Woven Wire Fence Co.,			
Fencing for Standpipe Lot	16 15	262 80	
Miscellaneous.			
Edward F. Carley,			
Cash paid for telephone and telegraph service	1 58		
B. W. Kearney,			
Teaming hydrants	2 00		
J. S. Mahoney, use of team	4 50	8 08	
Legal Expenses.			
Lincoln & Badger		5 00	
			$2,433 16
Balance on hand			$45 41

CONSTRUCTION ACCOUNT — To March 1, 1901.

RECEIPTS.

Proceeds of bonds applicable to construction	$90,000 00	
Interest on deposits	1,751 28	
		$91,751 28

EXPENDITURES.

Main pipe	$28,862 73	
Laying main pipe	14,423 00	
Standpipe	8,367 78	
Standpipe foundation	1,384 10	
Driven wells	2,797 97	
Pumping station	6,825 42	
Pumping plant	9,629 02	
Gates and hydrants	4,164 60	
Sand chamber	411 73	
Service piping and meters	2,042 11	
Engineering	5,163 44	
Land	3,898 41	
Test for source of supply	2,951 01	
Legal expenses	405 60	
Miscellaneous	378 95	
Total		$91,705 87
Balance on hand		$45 41

Following this report are given tables bringing statistics up to date, and analyses of water and pumping record for the year ending February 28, 1901.

Respectfully submitted,

FREDERIC S. CLARK,
J. NELSON PARKER,
CHARLES H. KOHLRAUSCH, JR.,
Water Commissioners.

STATISTICS FOR YEAR ENDING FEB. 28, 1901.

Date of construction: 1898.

Source of supply: System of driven wells on west bank of Concord river.

Mode of supply: Pumping to mains and to standpipe.

Total length of cast iron main pipe of all sizes to date, including private lines: 12-inch, 10,592.5 feet; 10-inch, 11,308 feet; 8-inch, 9,287 feet; 6-inch, 19,101 feet; hydrant branches, 6-inch, 935.5 feet.

Total length: 9.7 miles.

Whole number of hydrants, including 10 private hydrants: 101.

Whole number of gates: 84.

Service pipe, wrought iron, cement lined.

Service connections made during year: 20.

Number of services to date: 207.

Number now taking water: 205.

Feet of service pipe put in during the year: 2,544.7 feet.

Feet of service pipe put in during the year within street lines: 771 feet.

Average per service put in during the year within street lines: 35.5 feet.

Total feet of service pipe put in to date: 13,724.2 feet.

Total feet of service pipe within street lines: 5,709.7 feet.

Average per service within street lines: 27.6 feet.

Meters set during the year: 13.

Meters in use: 67.

Leaks in main pipes: 4.

Leaks in service pipes: 13.

Temperature of water from wells throughout the year: 47 degrees to 50 degrees.

Range of pressure on mains with full standpipe: 54 lbs. to 120 lbs.

PUMPING.

Builders of pumping machinery: Barr Pumping Engine Co.

Coal used: Bituminous, George's Creek, Cumberland.

Coal consumed; 110½ gross tons.

Total pumping for the year: 20,487,044 gallons.

Number of gallons pumped per pound of coal used in pumping: 114.

Duty of pumps, figured on coal used for pumping only: 29,652,636 ft. pounds.

Duty of pumps, figured on coal used for pumping and banking: 21,559,013 ft. pounds.

CONSUMPTION.

Estimated total population of town: 2,780.
Estimated population on pipe lines: 1,800.
Estimated population supplied: 1,230.*
Families using water: 272.
Average daily consumption, gallons: 56,129.
Gallons per day to each consumer: 46.
*Persons in mills, schools and churches not included.

COMMONWEALTH OF MASSACHUSETTS.

STATE BOARD OF HEALTH.

WATER ANALYSIS. — Parts in 100,000.

DATE.	APPEARANCE.			ODOR.		RESIDUE ON EVAPORATION			AMMONIA.				Chlorine.	NITROGEN AS		Oxygen Consumed.	Hardness.	Iron.
										Albuminoid.								
	Turbidity.	Sediment.	Color.	Cold.	Hot.	Total.	Loss on Ignition.	Fixed.	Free.	Total.	In Solution.	In Suspension.		Nitrates.	Nitrites.			
1900.																		
March.	V. Slight.	None.	.02	None.	None.	5.70	.....	.....	.0010	.0020	.....	.....	.28	.0040	.0000	.06	2.9	.0300
April.	V. Slight.	V. Slight.	.02	None.	None.	7.00	.....	.....	.0004	.0010	.....	.....	.30	.0110	.0000	.05	2.5	.0210
May.	None.	None.	.03	None.	None.	5.80	.....	.....	.0010	.0020	.....	.....	.28	.0130	.0000	.09	2.1	.0220
June.	None.	V. Slight.	.07	None.	None.	6.60	.....	.....	.0012	.0006	.....	.....	.27	.0050	.0000	.05	2.7	.0230
July.	V. Slight.	None.	.02	None.	None.	6.50	.....	.....	.0002	.0010	.....	.....	.28	.0050	.0000	.06	2.1	.0220
Aug.	V. Slight.	V. Slight.	.07	None.	None.	6.00	.....	.....	.0012	.0036	.....	.....	.25	.0070	.0000	.02	2.1	.0240
September.	V. Slight.	V. Slight.	.00	None.	None.	6.20	.....	.....	.0004	.0012	.....	.....	.24	.0040	.0001	.05	2.0	.0250
October.	V. Slight.	V. Slight.	.07	None.	None.	6.80	.....	.....	.0010	.0022	.....	.....	.28	.0110	.0000	.03	2.0	.0180
November.	V. Slight.	V. Slight.	.07	None.	None.	5.90	.....	.....	.0016	.0016	.....	.....	.26	.0160	.0000	.06	2.3	.0320
December.	None.	V. Slight.	.04	None.	None.	5.70	.....	.....	.0008	.0022	.....	.....	.28	.0060	.0000	.05	2.2	.0210
1901.																		
January.	V. Slight.	V. Slight.	.01	None.	None.	6.00	.....	.....	.0000	.0026	.....	.....	.30	.0120	.0000	.03	2.2	.0210
February.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

PUMPING STATION RECORD.—For Year Ending February 28, 1901.

MONTHS.	Days Pump in Operation.	Time Pump in Operation. H.	M.	Average Per Day. H.	M.	Gallons Pumped.	Average Per Day.	Daily Consumption. Gallons.	POUNDS COAL USED. For Pumping.	For Fire Protection.	Total.
1900.											
March	16	29	20	1	50	1,116,742	63,546	36,024	11,839	4,636	16,475
April	15	34	55	2	20	1,226,321	81,754	40,877	11,456	3,893	15,349
May	16	54	05	3	23	1,703,075	106,442	54,938	14,345	4,076	18,421
June	28	79	10	2	50	2,319,066	82,823	77,302	15,812	7,267	23,079
July	31	94	15	3	02	1,947,949	62,837	62,837	17,893	7,839	25,732
August	25	83	55	3	21	1,991,001	79,640	64,226	15,662	5,663	21,325
September	22	74	55	3	24	1,884,088	85,640	62,803	14,971	6,193	21,164
October	23	60	15	2	37	1,651,401	71,800	53,271	13,339	5,824	19,163
November	19	63	10	3	16	1,499,165	78,903	49,972	13,037	5,098	18,135
December	21	62	40	2	59	1,678,959	79,950	54,160	16,289	5,779	22,068
1901.											
January	20	74	35	3	44	1,629,544	81,477	52,565	17,454	5,183	22,637
February	24	90	30	3	46	1,839,733	76,655	65,705	17,837	6,091	23,928
Totals	260	801	45	36	30	20,487,044	951,467	674,680	179,934	67,542	247,476
Monthly Average	22	66	49	3	03	1,707,254	79,289	56,223	14,994	5,628	20,623

HIGHWAY DEPARTMENT.

BILLERICA, Feb. 28, 1901.

To the Honorable Board of Selectmen:

Following is a report of work done during the last year:

Repairing washouts in all localities	$ 47 00
Grading near the Town Hall	40 00
Patching at the Centre	15 50
Near H. Dutton's, graveled 180 ft. long, 11 ft. wide, 7 in. deep	32 00
Patching Gilson Hill road	31 00
Billerica avenue, blasting, making gutter, opening culvert and patching	34 00
Town Farm road, making gutters and graveling	51 00
Work on Manning road and turnpike	17 00
Near J. Brinnel's, graveled 325 ft. long, 11 ft. wide, 8 in. deep	49 00
Near Shop hill, graveled 120 ft. long, 12 ft. wide, 5 in. deep	16 00
Near Middle bridge, graveled 72 ft. long, 8 ft. wide, 4 in. deep	10 00
Cleaning streets and gutters at the North	19 50
Cleaning gutters at the Center	17 50
Scraping the roads and cleaning out stone	310 50
Near E. O'Toole's, made gutters and graveled 480 ft. long, 11 ft. wide, 8 in. deep	52 00
Cleaning mud from under railroad bridge and graveling	15 00
Cleaning catch basins at North	9 50
Near Talbot Mfg. Co., graveled 350 ft. long, 12 ft. wide, 6 in. deep	49 50
Raking stone	85 00
Scraping gutters on hill near Merriam & Moore's	17 50

Scraping gutters and digging stone near P. Dolan's	17 50
Patching near M. L. Fisk's	7 50
Billerica avenue, graveled 36 ft. long, 15 ft. wide, 8 in. deep	60 00
Work on 11 culverts, from Billerica Centre to South Billerica line	108 00
Work on culvert in Shawsheen district	9 00
Near S. B. station, making gutters, digging stone and graveling 1,140 ft. long, 18 ft. wide, 8 in. deep	188 00
Near W. Crosby's, graveled 570 ft. long, 16 ft. wide, 4 in. deep	98 00
Near J. Fisk's, graveled 300 ft. long, 9 ft. wide, 6 in. deep	33 00
Scraping gutters near G. F. Colburn's	17 50
Laying over culvert near C. Wright's	10 00
Laying over culvert near F. Kittredge's	12 00
Work on culvert and grading on turnpike	17 00
Work on culvert near M. S. Preston's	14 00
Near Dr. Noyes' place, graveled 150 ft. long, 10 ft. wide, 7 in. deep	32 00
Near J. Jaquith's, blasting, scraping gutters and graveling 740 long, 18 ft. wide, 5 in. deep	153 00
Laying over culvert near L. W. Lewis's	14 00
Laying over culvert and cleaning pipe in Farmers' lane	16 00
Near E. Spaulding's, lengthening culvert and grading	10 00
Laying over culvert near H. Duren's	14 00
Near G. F. Harnden's, graveled 288 ft. long, 18 ft. wide, 7 in. deep	49 00
Near Beard's corner, graveled 240 ft. long, 12 ft. wide, 6 in. deep	33 00
Near F. Crosby's, graveled 300 ft. long, 9 ft. wide, 6 in. deep	32 50
Raking stone	68 00
Laying over bank wall on Allen road	17 00
Near J. W. Alexander's, laying over and lengthening culvert	22 40
Laying over two culverts on Allen road	29 00

Work on bridges	20 00
Work on culvert near C. Lyons's	5 78
Near Hill's bridge, graveled 600 ft. long, 12 feet wide, 6 in. deep	88 00
Lowell street, graveled 250 ft. long, 9 ft. wide, 5 in. deep	27 50
Near S. B. school, scraped gutters, blasted and graveled 426 ft. long, 12 ft. wide, 5 in. deep	61 50
Near W. Morris', scraping gutters and graveling 250 ft. long, 12 ft. wide, 5 in. deep	42 25
Mt. Pleasant street, graveled 1,524 ft. long, 14 ft. wide, 5 in. deep	260 00
Cutting bush	75 75
Shaping road near J. P. Townsend's	8 75
Cleaning gutters at Center	13 50
Cleaning gutters at North	17 50
Cleaning gutters on Rocky hill	8 75
Laying over bank wall near Mrs. Campbell's	12 50
Work on culvert on Andover street	7 50
Laying over culvert near S. Poland's	9 25
Laying over culvert near Bedford hill	14 00
At the corner of Tufts' lane, furnishing and laying 53 ft. of 10-inch pipe, grading and graveling	64 00
Near E. E. Coles's, furnishing and laying 22 ft. pipe	6 93
Filling on the sides of Bride hill	12 25
Graveling culverts	14 00
Spreading manure on Common	6 00
Moving stone out of pit near O. Fuller's	12 00
On Treble Cove road, near corner of River street, graveled 270 ft. long, 11 ft. wide, 9 in. deep	48 00
Repairing two crossings at East Billerica	7 75
On turnpike, graveled 140 ft. long, 8 ft. wide, 5 in. deep	15 50
Patching Forest street	11 00
Laying pipe and grading near E. Smith's	5 50
Constructing 1,502 ft. of guard railing in all localities	110 76
Boston road, near W. H. Serton's, graveled 680 ft. long, 20 ft. wide, 6 in. deep	255 00

Boston road, Barrot's flats, graveled 250 ft. long, 20 ft. wide, 12 in. deep	99 25
Near W. Holden's place, graveled 800 ft. long, 10 ft. wide, 4 in. deep	83 00
Call street, graveled 780 ft. long, 9 ft. wide, 8 in. deep	82 55
Boston road, south of railroad crossing, graveled 1,320 ft. long, 18 ft. wide, 9 in. deep	363 50
Near J. J. Higgins's, graveled 300 ft. long, 10 ft. wide, 9 in. deep	43 25
Sprague street, graveled 90 ft. long, 10 ft. wide, 6 in. deep	9 25
Work of teams on macadam road	284 00
Work of teams on Talbot avenue	64 00
Work on snow	170 00
Balance paid between old carts and new ones	240 00
Value of gravel owned by Town	166 00
Snow bills	233 95

MACADAM ROAD.

LOCATED ON CONCORD ROAD NEAR C. W. FLANDERS'.

Cost of constructing 1,000 ft. long, 22 ft. wide, 10 in. deep, before rolling	$1,148 92
Excavation and moving crusher	298 00
Cost per square yard	47

EDW. SPAULDING,

Superintendent.

HIGHWAY EXPENSES.

Appropriation, $3,500 00

March, 1900.

Paid J. E. Rowell, gravel	$ 1 00
C. C. Johnson, supplies	3 75
C. L. Burton, blacksmith	5 63
B. W. Kearney, snow	10 00
Edward Spaulding, superintendent	50 00
W. M. Batchelder, teamster	40 00
C. E. Morris, teamster	40 00
John Stahle, laborer	35 00
John Newell, laborer	35 00
M. McElligott, laborer	28 00
S. Norris, laborer	7 00
Holden & Co., supplies	3 08
F. A. Morey, supplies	14 60
	$273 06

April, 1900.

Paid Edward Spaulding, superintendent	$50 00
W. M. Batchelder, teamster	40 00
C. E. Morris, teamster	40 00
John Stahle, laborer	35 88
John Newell, laborer	35 88
M. McElligott, laborer	34 13
T. G. Cox, laborer	26 25
E. Spaulding, use of horse	10 00
John Conway, one-half day	88
Thomas Spaulding, hay	15 66
E. E. Cole, grain	25 20
A. Dutton, labor	1 40
	$315 28

MAY, 1900.

Paid W. H. Sexton, blacksmith	$14 25
C. L. Burton, blacksmith	11 28
E. Spaulding, superintendent	50 00
W. M. Batchelder, teamster	40 00
C. E. Morris, teamster	40 00
John Stahle, labor	42 00
John Newell, labor	29 75
M. McElligott, labor	42 00
T. G. Cox, labor	40 00
Benj. E. Spaulding, gravel	50 00
F. A. Morey, supplies	15 71
S. J. Burton, hay	14 10
E. E. Cole, grain	12 60
Josiah Wright, sundries	13 58
	$415 27

JUNE, 1900.

Paid E. Spaulding, superintendent	$50 00
W. M. Batchelder, teamster	40 00
C. E. Morris, teamster	40 00
J. Stahle, 25½ days at $1.75	44 63
J. Newell, 25½ days at $1.75	44 63
M. McElligott, 25½ days at $1.75	44 63
T. G. Cox, 23½ days at $1.75	41 13
A. H. Jones, hay	12 00
E. E. Cole, grain	37 18
C. C. Johnson, supplies	4 09
Jordan, Marsh & Co., duck	7 50
H. A. King, hay	33 26
American Express Co., express	25
Dr. W. A. Sherman, services	3 50
P. J. Sexton, blacksmith	2 46
	$405 26

July, 1900.

Paid E. F. Dickinson, straw	$14 96
E. Spaulding, superintendent	50 00
W. M. Batchelder, teamster	44 29
C. E. Morris, teamster	44 29
J. Stahle, 24 days at $1.75	42 00
J. Newell, 24 days at $1.75	42 00
M. McElligott, 24 days at $1.75	42 00
H. Sherry, labor	28 00
P. J. Sexton, blacksmith	9 61
E. E. Cole, grain	16 25
C. C. Johnson, supplies	5 50
Orin Maberry, use of boat	2 28
Geo. F. Colson, gravel	4 30
	$345 48

August, 1900.

Paid E. Spaulding, superintendent	$ 50 00
W. M. Batchelder, teamster	44 29
C. E. Morris, teamster	44 29
J. Stahle, 24 days at $1.75	42 00
J. Newell, 23 days at $1.75	40 25
M. McElligott, 22 days at $1.75	38 50
H. Sherry, 23½ days at $1.75	41 13
F. H. Sexton, carts	240 45
Josiah Wright, labor	9 00
Thomson Hardware Co., lantern	1 00
Leonard Blood, hay	71 40
C. L. Burton, blacksmith	9 30
H. C. Somers, labor	9 00
Albert Stearns, labor	1 45
C. C. Johnson, supplies	1 20
E. Cowley, supplies	1 98
Pratt & Forrest, lumber	16 34
	$661 58

SEPTEMBER, 1900.

Paid E. Spaulding, superintendent	$50 00
W. M. Batchelder, teamster	42 86
C. E. Morris, teamster	42 86
J. Stahle, 23 days at $1.75	40 25
J. Newell, 23 days at $1.75	40 25
M. McElligott, 23 days at $1.75	40 25
H. Sherry, 23 days at $1.75	40 25
Ed. Spaulding, use of horse	16 87
W. H. Pearson, medicine	70
Dr. W. A. Sherman, medicine	3 00
Bartlett & Dow, supplies	75
C. C. Johnson, supplies	2 30
Gerald Cox, labor	2 00
Jackson Wright, repairs	60
E. E. Cole, grain	23 05
Olin L. Fuller, repairs	2 20
Fred A. Morey, supplies	55 94
Revere Rubber Co., hose	77 75
	$481 88

OCTOBER, 1900.

Paid Ed. Spaulding, superintendent	$ 3 00
W. M. Batchelder, teamster	44 29
C. E. Morris, teamster	44 29
J. Stahle, $3\frac{1}{2}$ days at $1.75	6 13
J. Newell, $1\frac{1}{2}$ days at $1.75	2 63
M. McElligott, $2\frac{1}{2}$ days at $1 75	4 38
H. Sherry, $1\frac{1}{2}$ days at $1.75	2 63
Ed. Spaulding, use of horse	1 87
J. E. Runnels, posts	12 15
H. D Livingston, teaming	1 00
Holden & Co., supplies	7 72
C. C. Johnson, supplies	1 90
	$131 99

NOVEMBER, 1900.

Paid E. Spaulding, superintendent	$24 50
W. M. Batchelder, teamster	42 86
C. E. Morris, teamster	42 86
J. Stahle, 8½ days at $1.75	14 44
J. Newell, 8¾ days at $1.75	15 31
M. McElligott, 8¼ days at $1.75	14 44
H. Sherry, 8¼ days at $1.75	14 44
H. W. Essex, 2 days at $4.00	8 00
John H. Foster, wood and gravel	3 28
C. C. Johnson, supplies	3 64
Geo. H. Bennink, hay	27 25
C. L. Burton, blacksmith	14 77
American Express Co., express	1 90
E. E. Call, grain	24 30
	$252 49

DECEMBER, 1900.

Paid Ed. Spaulding, superintendent	$50 00
W. M. Batchelder, teamster	44 29
C. E. Morris, teamster	44 29
J. Stahle, 23 days at $1.75	40 25
J. Newell, 18 days at $1 75	31 50
M. McElligott, 23 days at $1.75	40 25
H. Sherry, 23 days at $1.75	40 25
J. A. Ruth, 1 day	1 75
Timothy Pasho, 1½ days	2 63
H. W. Essex, 7 days at $4.00	28 00
F. Harrington	4 00
Ed. Spaulding, 14 days at $1.25	17 50
B. W. Kearney, 2 days at $4.00	8 00
C. L. Burton, blacksmith	8 53
Wm. H. Sexton, blacksmith	33 66
Chelmsford Foundry, supplies	3 06
C. C. Johnson, supplies	2 50
American Express, express	40
Amount carried forward	$400 86

Amount brought forward	$400 86
Good Road Machine Co., supplies	10 75
Fred A. Morey, supplies	26 90
Estate John Knowles, hay	17 25
H. W. Essex	1 75
	$457 51

JANUARY, 1900.

Paid E. Spaulding, superintendent	$34 00
W. M. Batchelder, teamster	44 29
C. E. Morris, teamster	44 29
J. Stahle, 14 days at $1 75	24 50
J. Newell, 14 days at $1.75	24 50
M. McElligott, 14 days at $1.75	24 50
H. Sherry, 14 days at $1.75	24 50
Josiah Wright, labor	20 00
G. F. Harrington, labor	44 00
E. Spaulding, use of horse	13 75
C. L. Burton, blacksmith	8 00
Geo. F. Colson, hay and gravel	52 85
C. S. Smith, gravel	50 00
E. F. Twombly, hay	19 85
James Hamilton, express	60
Fred H. Parker, supplies	6 22
Jackson Wright, repairs	2 75
E. E. Cole, grain	34 95
G. F. Mills, labor	2 50
W. F. Symms, lumber	10 60
Josiah Wright, posts and labor	16 94
P. S. Dockham, snow	6 90
C. A. Dockham, snow	6 90
George Johnson, snow	2 90
W. L. Morris, snow	2 40
B. Somers, snow	1 80
Ed. McDermott, snow	4 10
M. V. Dickey, snow	4 10
George Dale, snow	50
N. A. Aldrich, snow	2 80
	$535 99

FEBRUARY, 1901.

Paid Josiah Wright, labor	$20 00
G. F. Harrington, labor	44 00
E. Spaulding, use of horse	13 75
F. L. Winship, gravel	1 55
C. S. Smith, gravel	1 25
H. W. Essex and others, snow	39 20
Warren Shedd and others, snow	25 50
George L. Greenwood, snow and gravel	48 60
John B. Snow, snow	2 40
W. H. Sexton, blacksmith	9 76
E. E. Cole, grain	25 15
E. Spaulding, superintendent	50 00
W. M. Batchelder, teamster	40 00
C. E. Morris, teamster	40 00
J. Stahle, 19 days, $1.75	33 25
J. Newell, 20 days, $1.75	35 00
M. McElligott, 20 days, $1.75	35 00
H. Sherry, 16 days, $1.75	28 00
E. Spaulding, use of horse	5 00
Geo. E. Simonds and others, snow	87 05
Leonard Blood, hay	23 54
J. E. Farmer, snow	4 00
Holden & Co., supplies	2 09
C. L. Burton, blacksmith	1 80
Town Stable, water	6 50
	$632 39

OVERSEERS OF THE POOR.

There have been seven inmates the most of the year. One died. There remain six at the present time.

Number of tramps lodged and fed at the almshouse the last year was 360.

TOWN FARM ACCOUNT.

To appraisal of personal property February 16, 1900	$3,858 85	
Paid by Superintendent to Treasurer	1,753 54	
		$5,612 39
To appraisal of personal property at town farm February 13, 1901	$3,968 72	
Paid by Superintendent to Treasurer	2,028 51	
		$5,997 23
Balance against the almshouse		$384 84
Expenditures at the almshouse for the year	$3,005 68	
Receipts at almshouse for the year	2,028 51	
		$ 977 17
Appropriation for the almshouse for the year		1,000 00
Amount not expended		$22 83

SEARS J. COOK,
EDWARD B. HASKELL,
THOMAS SPAULDING,
Overseers of the Poor.

EXPENSES AT TOWN FARM.

March, 1900.

Paid J. C. Parker and wife, superintendent and matron	$42 00
Fred Perry, labor	18 00
Delia Meeney, labor	15 00
G. M. Teel, fish	5 10
F. H. Parker, crackers	3 17
F. H. Parker, meat and groceries	10 94
Wm. H. Spaulding & Co., window curtains	3 00
J. G. Birtwell, meat	30 44
P. M. Jefferson & Co., soap	14 88
F. H. Parker, crackers and bread	3 95
F. A. Morey, groceries and grain	9 82
E. Baker, meat	4 55
G. L. Dunham, groceries	3 64
Jennie Perry, groceries	6 00
Sundry small bills	4 46
	$174 95

April.

Paid J. C. Parker and wife	$42 00
Fred Perry, labor	14 63
John H. Phillips, labor	18 75
Delia Meeney, labor	13 72
E. Baker, meat	11 49
Geo. L. Dunham, groceries	4 07
F. A. Morey, groceries	44 08
John E. Bull, dry goods	4 86
Parker, manure	26 75
S. K. Dexter, butter	3 34
James Holding, pigs	9 00
P. J. Sexton, blacksmith	6 21
Wm. E. Livingston & Son, grain	13 34
E. Baker, killing hogs	3 10
Elmer E. Cole, grain	34 55
Amount carried forward	$ 249 89

Amount brought forward	$ 249 89
Jennie Perry, groceries	5 36
T. J. McCormick, meat	3 42
Holden & Co., lead and paint	1 85
S. K. Dexter, butter	4 00
Bartlett & Dow, hardware	3 60
A. H. Jones, one bull	30 00
S. R. Roher, medical attendance on poor	37 50
Sundry small bills	1 80
	$337 42

MAY.

Paid J. C. Parker and wife	$42 00
Fred Perry, labor	20 00
John H. Phillips, labor	5 63
Joseph Scanlin, labor	3 00
Delia Meeney, labor	11 15
Joseph Plumer, brewers' grain	10 00
F. H. Parker, groceries	10 42
Geo. E. Jones, two cows	100 00
S. K. Dexter, flour and lard	9 81
John E. Bull, dry goods	1 80
F. H. Parker, groceries	7 06
F. H. Parker, crackers	6 88
S. K. Dexter, butter	4 76
E. Baker, meat	14 05
S. K. Dexter, potatoes	3 60
Sundry small bills	4 80
	$254 96

JUNE.

Paid J. C. Parker and wife	$42 00
Fred Perry, labor	20 00
Billerica Market, meat	10 08
Jenny Perry, groceries	14 03
Amount carried forward	$ 86 11

Amount brought forward	$ 86 11
Fred H. Parker, groceries	7 13
F. H. Parker, crackers	4 48
John E. Bull, dry goods	6 33
F. A. Morey, grain	43 87
F. A. Tuttle, groceries	5 63
Chas. C. Johnson, shoes and repairs	2 50
Bartlett & Dow, hardware	3 75
S. K. Dexter, butter	5 70
E. Baker, meat	11 24
G. M. Teel, Fish	5 97
E. E. Cole, grain	53 47
J. Plummer, brewers' grain	24 50
J. W. Brown, labor	7 00
Sundry small bills	5 13
	$272 81

JULY.

J. C. Parker and wife	$42 00
Fred Perry, labor	20 00
Delia Riley, labor	10 72
John Hayne, labor	20 00
George Enion, labor	2 25
E. Baker, meat	7 90
Cogswell Brothers, potatoes	1 80
F. A. Tuttle, meat	3 08
F. A. Morey, grain	10 01
James Gorman, shoes	1 90
Bartlett & Dow, hardware	1 40
P. J. Sexton, blacksmith	4 13
A. Pearsons, blacksmith	1 50
Jas. Plummer, brewers' grain	25 00
E. E. Cole, grain	32 03
S. J. Cook, one cow	50 00
Sundry small bills	7 31
	$241 03

AUGUST.

Paid J. C. Parker and wife	$42 00
Fred Perry, labor	20 00
Delia Riley, labor	13 29
John Smith, labor	4 50
John Hayne, labor	11 00
George Enion, labor	1 50
Elmer E. Cole, grain	43 25
S. K. Dexter, flour, lard and butter	10 09
Putnam & Son, clothing	1 19
Oscar Smith Sprague & Co	1 60
John Plummer, brewers' grain	13 00
Geo. L. Dunham, groceries	17 74
F. H. Parker, groceries and seeds	9 35
F. H. Parker, crackers and bread	8 42
Billerica market, meat	11 39
F. A. Morey, grain and groceries	16 16
P. J. Sexton, blacksmith	8 90
J. E. Bull, dry goods	2 48
E. Baker, meat	13 70
Sundry small bills	7 85
	$257 41

SEPTEMBER.

Paid J. C. Parker and wife	$42 00
Fred Perry, labor	19 25
Patrick Anderson, labor	12 50
Ameder Couto, labor	3 00
Geo. Enion, labor	6 00
Delia Riley, labor	3 43
S. K. Dexter, flour and lard	7 25
Burnham & Davis, lumber	3 02
Jennie Perry, groceries	15 71
J. A. Metcalf, for help	1 00
E. E. Cole, grain	21 05
F. A. Morey, grain	23 61
E. Russell, sawing lumber	27 25
Amount carried forward	$185 07

Amount brought forward	$185 07
E. F. Twombley, putting logs on ways	5 00
T. F. Severance, crackers	2 25
Miss E. Campbell, dresses	3 45
G. M. Teel, fish	2 71
S. K. Dexter, butter	3 60
Duffee Machine Co., repairing corn cutter	10 00
E. Baker, meat	10 17
Mike McGlone, standing grass	15 00
Sundry small bills	1 40
	$238 65

OCTOBER.

Paid J. C. Parker and wife	$42 00
Edward W. Collins, labor	5 25
S. K. Dexter, butter	6 40
E. E. Cole, grain	22 17
F. A. Morey, grain	9 45
Dr. M. A. Buck, truss for H. McKee	3 00
T. J. Sexton, blacksmith	9 93
John Proulx, labor	2 00
Jennie Perry, groceries	6 53
F. H. Parker, crackers	8 34
F. H. Parker, groceries	70
Geo. L. Dunham, groceries	22 12
J. C. Parker, error on Dunham's bill in August	22
Sundry small bills	3 83
	$141 94

NOVEMBER.

Paid J. C. Parker and wife	$42 00
Alexis Couto, labor	30 00
Winnie Rock, labor	2 15
Wm. Colby, labor	7 50
H. F. Shedd, fertilizer	1 85
Jos. Plummer, brewers' grain	11 00
Amount carried forward	$ 94 50

Amount brought forward	$	94 50
Jos. Plummer, brewers' grain		10 80
F. A. Morey, grain		15 55
F. H. Parker, groceries		3 71
F. H. Parker, crackers		4 23
E E. Cole, grain		28 86
S. K. Dexter, butter		4 75
Jas. E. Gorman, shoes		2 00
Putnam & Son, clothing		5 14
Geo. L. Dunham, groceries		7 62
Billerica Market, meat		6 57
A. H. Andrews, two cows		106 00
Jennie Perry, groceries		10 38
Sundry small bills		4 40
		$304 51

DECEMBER.

Paid J. C. Parker and wife		$42 00
Alexis Couto, labor		20 00
Bridget Murray, labor		10 29
E. E. Cole, grain		19 91
S. K. Dexter, butter and lard		5 15
C. C. Johnson, boots and blanket		6 80
F. A. Morey, coal and meal		45 61
E. Baker, meat		18 39
W. H. Hutchins, pasturing cattle		8 00
Granville Coburn, one cow		58 00
Joseph Plummer, brewers' grain		7 00
G. M. Teel, fish		4 45
Thomas Spaulding, pasturing cows		6 00
J. G. Birtwell, meat		1 95
Sundry small bills		3 00
		$256 55

JANUARY, 1901.

Paid J. C. Parker and wife	$42 00
Alexis Couto, labor	20 00
Bridget Murray, labor	6 86
Mike Shalloo, labor	3 00
M. V. Dickey, labor	4 00
G. M. Teel, mistake in bill	4 00
J. E. Bull, dry goods	18 60
Jas. Plummer, brewers' grain	16 50
E. E. Cole, grain	35 90
P. J. Sexton, blacksmith	6 20
Robert Barris, repairing harness	7 00
F. W. Cheney, paints and hardware	15 00
Baptist Society, pew rent	5 00
Holden & Co., sugar and tea	17 41
S. K. Dexter, butter and lard	6 27
C. W. Parsons, cutting ice	10 50
E. Baker, meat	6 45
W. Parsons, work, repairs, etc	12 30
Jas. Plummer, brewers' grain	12 60
Sundry small bills	2 38
	$251 97

FEBRUARY.

Paid J. C. Parker	$42 00
Alexis Couto, labor	20 00
Bridget Murray, labor	15 64
Jerry Lafine, labor	3 00
Hanchett MacFadgen, repairs on stove	2 50
P. J. Sexton, blacksmith	8 70
Geo. L. Dunham, groceries	16 65
W. F. Symmes, sawing lumber	32 50
Jenny Perry, groceries	20 65
J. Metcalf, employment office	1 00
S. C. Sherley, medicines	2 45
S. K. Dexter, flour and butter	8 30
Amount carried forward	$173 39

Amount brought forward	$173 39
W. E. Eaton, doctoring cow	3 00
W. E. Livingston, grain	19 08
E. E. Cole, grain	17 35
G. M. Teel, fish	2 77
F. H. Parker, groceries	9 51
F. H. Parker, crackers	13 87
Jas. Plummer, brewers' grain	17 30
Bartlett & Dow, hardware	60
C. C. Johnson, repairing harness	2 60
Arthur S. Cook, meat	11 21
Sundry small bills	2 80
	$273 48

SALES AT TOWN FARM.

March, 1900.

Received for milk	$126 75
eggs	14 27
poultry	1 45
calves	14 00
vegetables	1 00
one watch	1 00
	$158 47

April.

Received for milk	$95 6
eggs	14 54
fowls	1 50
	$111 10

MAY.

Received for milk	$141 16
eggs	8 58
one pig	3 50
one cow	60 00
vegetables	3 01
lumber	27 51
	$243 76

JUNE.

Received for vegetables	$ 10 35
milk	107 40
eggs	4 98
lumber	21 00
poultry	1 56
fruit	23 98
	$169 27

JULY.

Received for milk	$101 97
vegetables	1 00
one calf	2 00
eggs	7 43
fruit	26 88
	$139 28

AUGUST.

Received for milk	$128 71
eggs	10 51
fruit	4 72
vegetables	11 92
one calf	2 50
lumber	2 00
	$160 36

SEPTEMBER.

Received for milk	$98 32
fruit	12 37
one calf	1 75
eggs	1 50
vegetables	10 66
wood	2 25
	$126 85

OCTOBER.

Received for milk	$85 34
eggs	17 22
wood	9 00
fruit	5 85
vegetables	8 80
	$126 21

NOVEMBER.

Received for wood	$11 25
vegetables	11 28
fruit	9 43
milk	97 08
one cow	15 00
labor	1 25
one calf	1 25
lumber	10 56
chickens	9 25
eggs	2 66
	$169 01

DECEMBER.

Received for milk	$64 75
vegetables	1 15
one cow	14 00
fruit	3 48
wood	6 75
chickens	2 50
	$92 63

JANUARY, 1901.

Received for fruit	$25 78
calves	9 00
one cow	4 00
milk	122 66
eggs	5 25
vegetables	1 00
chickens	1 80
wood	11 25
labor	12 00
	$192 74

FEBRUARY.

Received for eggs	$14 29
milk	111 25
lumber	166 10
wood	6 00
pork	11 69
vegetables	2 75
E. W. Livingston, board for Ellen Murphy	26 75
	$338 83

APPRAISAL OF PERSONAL PROPERTY AT TOWN FARM.

FEBRUARY 13, 1901.

Nineteen cows	$750 00
One bull	35 00
Three horses	350 00
Eighteen tons of hay	360 00
Twelve tons ensilage	60 00
Grain	16 50
Harnesses	73 50
Manure	263 00
Two tons of coal	14 00
Wood	121 00
Lumber	157 00
Ice	62 00
Beans	4 50
One hundred and twelve fowls	84 00
Blankets and robes	17 00
One four-spring wagon	60 00
One one-horse market wagon	65 00
One one-horse farm wagon	50 00
Covered and Concord wagon	40 00
Three tipcarts	125 00
Wheels and manure spreader	35 00
One pung	18 00
Two sleds	40 00
One one-horse power	60 00
One corn planter and seed sower	19 00
One two-horse mowing machine	10 00
Two ensilage cutters and carriers	72 00
Hay tedder and horse rake	35 00
One hay fork and ropes	28 00
One weeder	13 50
Farming tools	142 90
One derrick, blocks and ropes	76 00
Ice tools	8 00
Boxes, bags and barrels	7 75
Amount carried forward	$3,272 65

Amount brought forward	$3,272 65
Paints, brushes and glass	9 10
Drugs and medicines	5 00
Furniture in superintendent's rooms	91 50
Furniture in inmates' rooms	135 00
Furniture in old men's room	40 00
Contents in attic	40 00
Contents in tramp house	10 00
Blankets and comforters	13 50
Sheets, table linen, and towels	35 00
Kitchen furniture and cooking utensils	65 00
Earthen, glass, and stone ware	25 00
Knives, forks, and spoons	5 50
Milk dishes, pails, and cooler	8 75
Hot bed, sash, and shutters	14 25
Lanterns, lamps, cans, and oil	8 75
Vinegar and casks	55 40
Pork and hams	37 20
Butter and lard	10 30
Vegetables and soap	27 90
Preserves and pickles	7 75
Groceries	41 17
Apples	10 00
	$3,968 72

OUTSIDE RELIEF.

Paid Lowell General Hospital board of Henry George		$29 00
aid rendered John McPhee and family		11 00
Rachel Conroy		45 79
S. J. Cook, expenses on account of poor		2 30
aid rendered Mrs. James Spencer and children		3 00
Mr. Edward Keyes and family		51 30
board of Lawrence Bohonnon at the Orphan Asylum		78 22
aid rendered Mrs. J. B Doyle and family		53 86
Mrs. Horace Onley and family		113 62
Mrs. Kate Jeffcock and family		187 52
Mrs. Kiley and Mary Donovan		254 41
John Houlton		58 37
Mrs. Maria Russell		107 80
board of Mary Morrissey at Worcester Insane Asylum		169 46
Dr. S. Roher and Dr. A. M. Buck for medical attendance on town's poor from April 1 to Sept. 30		35 20
aid rendered Geo. W. Burnham		8 00
Patrick F. Broderick and family		144 64
Mrs. John Canning for burial of John Canning		60 75
		$1,414 24
Cash received from City of Lowell	$107 13	
Amount due from City of Lowell	37 51	
Amount due from state of Massachusetts	8 00	
Amount due from Mrs. John Canning	60 75	
		$213 39
		$1,200 85
Appropriation		1,300 00
Balance unexpended		$99 15

SEARS J. COOK,
EDWARD B. HASKELL,
THOMAS SPAULDING,
Overseers of the Poor.

TREASURER'S REPORT.

DR.

Balance, cash on hand, March 1, 1901		$3,909 62
Money received during the year and credited as follows :		
1899 Accounts.		
Received from A. H. Jones, collector 1896		180 00
A. H. Jones, collector 1897		540 02
A. H. Jones, collector 1898		1,900 89
A. H. Jones, collector 1899		2,656 65
1900 Accounts.		
Received from A. H. Jones, collector 1900		23,120 82
Schools :		
Received from State on account of superintendent's salary.	$625 00	
State income from Mass. school fund	328 58	
County on account of dog licenses	329 46	
From sale of outbuilding, Pollard school	15 00	
		$1,298 04
Highways :		
Received for macadam appropriation for use of town teams	284 00	
Talbot avenue for use of teams	64 00	
		$348 00
Amount carried forward		$33,954 04

Amount brought forward.....		$33,954 04
Bridges :		
Received for old plank.....		5 00
Town Farm :		
Received from J. C. Parker, superintendent of town farm		2,028 51
Incidentals :		
Received from use of hall.....	$89 00	
C. A. Gleason, auctioneer's license	2 00	
F. L. Gleason, auctioneer's license.....	2 00	
C. L. Beck, auctioneer's license.....	2 00	
Slaughter house license..	1 00	
Old lumber.....	10	
C. S. Cummings & Co., expense in granting street railway location	50 00	
Manure	6 00	
F. A. Morey, use of scales	26 76	
G. L. Dunham, use of scales....	24 95	
Gilbert Barker Co., return of barrels	1 55	
		$205 36
Police Department :		
Received from Lowell jail for fines..	8 0	
Police court, Lowell	40 00	
		$ 48 00
Outside Relief :		
Received from City of Lowell.....	107 13	$107 13
Amount carried forward.....		$36,348 04

Amount brought forward.....		$36,348 04
Cemeteries :		
Received from E. Canning, for lot in Fox Hill.....	$ 5 00	
L. Blood, for lot in North Cemetery	10 00	
Annie Hamilton, for lot in Fox Hill.....	5 00	
		$ 20 00
Corporation Tax :		
Received from Commonwealth for corporation and bank tax		8,722 44
Received on account of 1899.....		3 34
Water Works :		
Received from Water Commissioners		4,467 88
Interest.....		10 88
Pollard School Annex :		
Received on account of town note, dated Aug. 22, 1900..		1,500 00
Anticipation of Tax Notes :		
Borrowed on town notes by authority of vote passed March 26, 1900.....		25,000 00
Plan of School Building :		
Received from town note dated Feb. 20, 1901, due Feb. 20, 1902		300 00
Total receipts.....		$76,372 58

CR.

Paid approved bills during the year and charged to the following accounts:

1898 Accounts.

Paid note due April 18, 1900, borrowed in anticipation of taxes of 1899	$3,000 00
balance of Cattle Inspector's salary, 1899	43 35
schools	9,815 85
macadam road	1,456 32
highways	4,850 44
bridges	821 93
fire department	1,344 74
town farm	3,005 68
incidentals	1,518 91
janitor and police	1,515 12
outside relief	1,268 98
town debt	5,500 00
interest	1,701 34
insurance	236 10
sinking fund and bond interest (town hall bonds)	2,000 00
state and county tax	3,310 72
registers of voters	100 00
street lighting	700 00
water vouchers	4,439 72
special sidewalk appropriation	56 00
town water	12 00
Salaries of selectmen	375 00
assessors	500 00
overseers of poor	200 00
school committee	120 00
town clerk	150 00
town treasurer	250 00
tax collector	250 00
fish warden	100 00
election officers	92 00
cattle inspector	428 31
Amount carried forward	$49,162 51

Amount brought forward		$49,162 51
Paid cemeteries		403 26
common		75 00
board of health		21 00
auditors		45 00
sidewalks		36 88
town water		12 00
water bond interest		3,600 00
tree warden		39 25
state aid		480 00
copying town records		188 10
memorial day		100 00
Pollard school annex		4,001 33
interest of Winthrop Faulkner fund		280 00
anticipation of tax notes		16,000 00
printing valuation book		114 00
Talbot avenue		148 75
tax collector salary, 1896		100 00
tax collector salary, 1897		100 00
tax discounts		83 50
Total expenditures		$74,990 58
Balance on hand to credit of water works construction account	$ 45 41	
General fund	1,336 59	
		1,382 00
		$76,372 58

HERBERT A. KING, *Treasurer.*

E. B. COLBY,
GEO. P. GREENWOOD.
WM. STEVENSON,
Auditors.

REPORTS OF TRUST FUNDS IN HANDS OF TREASURER, FEB. 28, 1901.

Bowers Fund and Joseph Stearns Fund, for care of poor in Billerica :

Amount of Fund Feb. 28, 1900...	$15,363 59	
Received income during year.....	762 70	
	16,126 29	
Paid during year on order of committee.....	916 79	
Amount of Fund Feb. 28, 1901...		$15,209 50

Thompson Fund, care of Fox Hill Cemetery, $1,000 :

Amount of Fund Feb. 28, 1900...	1,016 05	
Received income during year.....		
Paid during year.....		
Amount of Fund Feb. 28, 1901....		1,016 05

Betsey Cowdry Fund, care of lot in North Cemetery, $50 :

Amount of Fund, Feb. 28, 1900...	51 00	
Received income during year.....	2 06	
Paid.....		
Amount of Fund, Feb. 28, 1901...		53 06

Abbott Singing School Fund, $1,400 :

Amount of Fund, Feb. 28, 1900...	1,549 66	
Received income.....	77 42	
Amount of Fund, Feb. 28, 1900...		1,627 08
Amount carried forward.....		$17,905 69

Amount brought forward.....		$17,905 69
Winthrop Faulkner Fund, for Library, $1,000 :		
American Loan and Trust Co. bond, par value.....	$800 00	
City Institution for savings.....	200 00	
Received income for year.....	2 10	
		1,002 10
Gray Cemetery Fund, for Fox Hill, $500 :		
Amount of Fund, Feb. 28, 1900...	593 79	
Received income.....	23 72	
	617 51	
Paid.....	117 51	
Amount of Fund, Feb. 28, 1901...		500 00
Shed Fund, for care of Manning lot, North Cemetery, $100 :		
Amount of Fund, Feb. 28, 1900...	116 46	
Received income.....	4 68	
	121 14	
Paid.....		
Amount Feb. 28, 1901.....		121 14
Sarah E. Frost Fund, for care of Frost lot in Fox Hill, $100 :		
Amount of Fund, Feb. 28, 1900...	107 67	
Received income.....	4 32	
	111 99	
Paid.....	4 55	
Amount of Fund, Feb. 28, 1901...		107 44
Amount carried forward.....		$ 19,636 37

Amount brought forward		$19,636 37
Calvin Rogers Fund, for care of family lot and of neglected graves, $300 :		
Amount of Fund, Feb. 28, 1900...	$430 74	
Received income.....	17 38	
	448 12	
Paid.....		
Amount Feb. 28, 1902.....		448 12
Sweetser Fund, care of Richardson lot, South Cemetery, $1,000 :		
Amount of Fund, Feb. 28, 1900...	1,199 27	
Received income.....	48 65	
	1,247 92	
Paid.....	15 00	
Amount Feb. 28, 1801.....		1,232 92
Samuel Foster Fund, care of lot in South Cemetery, $100 :		
Amount of Fund, Feb. 28, 1900...	124 98	
Received income.....	5 04	
	130 02	
Paid	4 00	
Amount Feb. 28, 1901.....		126 02
A. W. Patten Fund, care of lot in Fox Hill, $300 :		
Amount of Fund, Feb. 28, 1900...	318 60	
Received income.....	12 86	
	331 46	
Paid	5 00	
Amount Feb. 28, 1901.....		326 46
Amount carried forward		$21,769 89

Amount brought forward.....		$21,769 89
Josiah Rogers Fund, care of lot in North Cemetery, $200:		
Amount of Fund, Feb. 28, 1900...	$202 16	
Received income.....	8 16	
	210 32	
Paid		
Amount Feb. 28, 1901.....		210 32
Isaac Knapton Fund, care of lot in North Cemetery, $100:		
Amount of Fund, Feb. 28, 1900...	100 04	
Received income.....	4 04	
	104 08	
Paid		
Amount Feb. 28, 1901.....		104 08
Bryant Fund, for care of lot in North Cemetery, $150:		
Amount of Fund, Feb. 28, 1900...	153 00	
Received income.....	6 18	
Amount of Fund, Feb. 28, 1901...		159 18
Jaquith Fund, for care of Franklin and Lucy Jaquith lot in South Cemetery, $100:		
Amount of Fund, Feb. 28, 1900...	100 00	
Received income.....	2 00	
Amount of Fund Feb. 28, 1901...		102 00
Amount carried forward		$22,345 47

Amount brought forward		$22,345 47
Gray Fund. April 20, 1900, Wm. R. Hart gave the town $200, for care of Amos Gray lot in North Cemetery :		
Amount of Fund.....	$200 00	
Received income.....	4 00	
Amount of Fund Feb. 28, 1901...		204 00
Sawyer Fund. July 30, M. Perry Sargent, Trustee, gave the town $114, for care of Jeremiah and Henry Allen lots in North Cemetery :		
Amount of Fund.....	114 00	
Received income.....	1 90	
		115 90
Bohonan Fund. Jan. 5, 1901, Miss Hattie A. Bohonan, executrix, gave the town $75 for care of family lot in Fox Hill Cemetery :		
Amount of Fund.....		75 00
Total amount of trust funds.....		$22,740 37

HERBERT A. KING,
Treasurer.

E. B. COLBY,
GEO. P. GREENWOOD,
WM. STEVENSON,
Auditors.

Financial Statement Year Ending Feb. 28, 1901.

Balance cash on hand		$1,382 00
due from Tax Collector, 1897		26 19
Tax Collector, 1898		2,316 87
Tax Collector, 1899		4,187 17
Tax Collector, 1900		6,298 52
State acct. of Cattle Inspector		416 33
Total assets		$14,627 08
Less town notes borrowed in anticipation of taxes of 1900	$9,000 00	
Less balance unexpended of Street Railway tax	1,952 11	
Less amount due Tax Collector's salary for 1898	100 00	
Less amount due Tax Collector's salary for 1899	100 00	
Less amount due Tax Collector's salary for 1900	100 00	
Due appropriation for plan of school building at North Billerica	300 00	
		$11,552 11
Surplus		$3,074 97

HERBERT A. KING,
Treasurer.

E. B. COLBY,
GEORGE P. GREENWOOD,
WM. STEVENSON,
Auditors.

Financial Condition of the Town, Feb. 28, 1901.

TOWN NOTES.

Payee.	Date.	Due.	Rate.	Amount.
Trustees Howe School	June 3, 1852	1 year.	6 per ct.	$1,000 00
Bowers Fund	Dec. 1, 1871	Demand.	5 " "	5,960 00
" "	June 18, 1878	"	5 " "	400 00
" "	May 15, 1874	"	5 " "	800 00
Trustees Howe School	July 12, 1878	"	6 " "	1,000 00
" " "	Aug. 13, 1878	"	6 " "	1,000 00
" " "	Sept. 11, 1879	"	6 " "	1,500 00
" " "	Mar. 20, 1880	"	6 " "	1,400 00
" " "	Aug. 4, 1880	"	6 " "	500 00
*Bowers Fund.....	Nov. 3, 1885	"	5 " "	2,000 00
‖Payable to bearer ...	Dec. 1, 1897	1901	4 " "	500 00
¶ " " "	May 1, 1898	1901	4½ " "	650 00
¶ " " "	May 1, 1898	1902	4½ " "	650 00
¶ " " "	May 1, 1898	1903	4½ " "	650 00
¶ " " "	May 1, 1898	1904	4½ " "	650 00
‡ " " "	Aug. 22, 1900	1903	4 " "	1,500 00
§ " " "	Feb. 20, 1901	1902	4 " "	300 00

Floating debt Feb. 28, 1901		$20,460 00
Less surplus		3,074 97
		$17,385 03
Bonded debt, Town Hall	$30,000 00	
Less Sinking Fund.....	5,422 77	
		24,577 23
Bonded debt, Water Works	90,000 00	
Less Sinking Fund	3,083 40	
		$86,916 60
Total indebtedness of Town, Feb. 28, 1901.....		$128,878 86

OBJECT OF LOANS—*Talbot School. ‖Stone Crusher. ¶Talbot Avenue. ‡Pollard Annex. §Plans of New School.

CHAS. H. KOHLRAUSCH, JR.,
EDWARD B. HASKELL,
JOSIAH WRIGHT,
Selectmen of Billerica.

HERBERT A. KING,
Treasurer.

AUDITOR'S REPORT.

Schools.

Appropriation	$8,500 00	
State Fund	328 58	
State Fund, on account of Supt	625 00	
Dog tax	329 46	
Receipts	15 00	
		$9,798 04
Expenditures		9,815 85
Amount overdrawn		17 81

Highways.

Appropriation	3,500 00	
Amount taken from excise tax	1,002 44	
Receipts	348 00	
		4,850 44
Expenditures		4,850 44

Macadam Road.

Appropriation		1,500 00
Expenditures		1,456 32
Balance unexpended		43 68

Bridges.

Appropriation	450 00	
Receipts	5 00	
		455 00
Expenditures		821 93
Amount overdrawn		366 93

Fire Department.

Appropriation		$1,300 00
Expenditures		1,344 74
Amount overdrawn		44 74

Debt Appropriation.

Appropriation		5,500 00
Expenditures		5,500 00

Town Farm.

Appropriation		1,000 00
Excess of expenditures over receipts		977 17
Balance unexpended		22 83

Incidentals.

Appropriation	1,300 00	
Receipts	243 36	
		1,543 36
Expenditures		1,518 91
Balance unexpended		24 45

Janitor and Police.

Appropriation	1,500 00	
Receipts	48 00	
		1,548 00
Expenditures		1,515 12
Balance unexpended		32 88

Outside Relief.

Appropriation	1,300 00	
Receipts	107 13	
		1,407 13
Expenditures		1,268 98
Balance unexpended		$138 15

Interest.

Appropriation	$1,700 00
Expenditures	1,642 84
Balance unexpended	57 16

Insurance.

Appropriation	275 00
Expenditures	236 10
Balance unexpended	38 90

Sinking Fund and Bond Interest.

Appropriation	2,000 00
Expenditures	2,000 00

Registrars.

Appropriation	100 00
Expenditures	100 00

Debt Appropriation.

Appropriation	5,500 00
Expenditures	5,500 00

Copying Records.

Appropriation	200 00
Expenditures	188 10
Balance unexpended	11 90

Soldiers' Relief.

Appropriation	50 00
Expenditures	17 38
Balance unexpended	32 62

Street Lighting.

Appropriation	700 00
Expenditures	700 00

Selectmen.

Appropriation	$375 00
Expenditures	375 00

Assessors.

Appropriation	500 00
Expenditures	500 00

Overseers of Poor.

Appropriation	200 00
Expenditures	200 00

School Committee.

Appropriation	180 00
Expenditures	120 00
Balance unexpended	60 00

Town Clerk.

Appropriation	150 00
Expenditures	150 00

Town Treasurer.

Appropriation	250 00
Expenditures	250 00

Tax Collector.

Appropriation	350 00
Expenditures	250 00
Balance unexpended	100 00

Election Officers.

Appropriation	100 00
Expenditures	92 00
Balance unexpended	8 00

Fish Warden.

Appropriation		$100 00
Expenditures		100 00

Cemeteries.

Appropriation	$400 00	
Receipts	69 29	
		469 29
Expenditures		403 26
Balance unexpended		66 03

Common.

Appropriation	75 00
Expenditures	75 00

Board of Health.

Appropriation	50 00
Expenditures	21 00
Balance unexpended	29 00

Auditors.

Appropriation	45 00
Expenditures	45 00

Sidewalks.

Appropriation	100 00
Expenditures	36 88
Balance unexpended	63 12

Hydrants.

Appropriation	2,300 00
Expenditures	2,300 00

Water Deficit.

Appropriation	$1,000 00	
Receipts	4,984 90	
		$5,984 90
Expenditures, maintenance	2,006 56	
Bond interest	3,600 00	
		5,606 56
Balance unexpended		378 34

Tree Warden.

Appropriation	100 00
Expenditures	39 25
Balance unexpended	60 75

Painting and Repairing Town Hall.

Appropriation	150 00

Memorial Day.

Appropriation	100 00
Expenditures	100 00

For Marking Streets.

Appropriation	150 00

Pollard School Annex.

Appropriation	$2,500 00	
"	1,500 00	
		4,000 00
Expenditures		4,001 33
Amount overdrawn		1 33

Interest Bennett Library.

Appropriation	280 00
Expenditures	280 00

VALUATION BOOKS.

Appropriation	$100 00
Expenditures	114 00
Amount overdrawn	14 00

TALBOT SCHOOL SIDEWALK.

Appropriation	150 00
Expenditures	56 00
Balance unexpended	94 00

CATTLE INSPECTOR.

Appropriations	350 00
Expenditures	428 13
Amount overdrawn	78 31

We, the undersigned auditors of the Town of Billerica, hereby certify that we have examined the accounts of the several town officers, and find them correctly cast and properly vouched.

ERASTUS B. COLBY,
GEO. P. GREENWOOD,
WM. STEVENSON,
Auditors.

Appraisal of Town Property at Town Barn.

Four horses	$ 350 00
Three carts	325 00
Stone crushing plant	2,000 00
Five harnesses	50 00
Three sleds	40 00
Road scraper	100 00
Horse blankets, etc	6 00
Hay and grain	21 00
Derrick and lumber	20 00
Ploughs and tools	37 00
Drags, wrenches, and chains	8 00
Shovels, rakes, axes and forks	10 00
Incidentals	15 00
	$2,982 00

Report of the Collector of Taxes.

FOR THE YEAR ENDING FEBRUARY 28, 1901.

1896.

Balance due from last year	$ 64 24
Interest collected	115 76
Paid Treasurer	180 00

1897.

Balance uncollected	26 19

1898.

Balance uncollected	$2,316 87

1899.

Balance uncollected	$4,187 17

1900.

Balance uncollected	$6,298 52
Total amount of money collected and paid Treasurer from February 28, 1900, to February 28, 1901	$28,398 38

A. H. JONES,
Collector.

BILLERICA TOWN HALL, SINKING FUND COMMISSIONERS' REPORT.

The amount of the sinking fund to date, with accumulated interest, is $5,422,77, and is on deposit with the following savings banks in the City of Lowell: The Lowell Five Cent Saving Bank, City Institution for Savings, Traders National Savings Bank, the Lowell Institution for Savings, the Merrimack River Bank and the Mechanics Savings Bank.

FRANKLIN JAQUITH,
FREDERIC A. MOREY,
JOSEPH F. TALBOT.

ASSESSORS' REPORT

For the Year Ending February 28, 1901.

The Assessors of the Town of Billerica submit the following report.

Value of Real Estate May 1, 1900	$1,703,708
Value of Personal Estate May 1, 1900	373,576
Total Valuation	2,077,284
Rate of total tax per $1,000	13.50
Number of polls	688
dwelling houses	599
horses	433
cows	799
neat cattle other than cows	134
swine	113
sheep	21
fowls	4,770

Respectfully submitted,

JOSIAH WRIGHT,
GEO. E. SIMONDS,
Wm. H. HUTCHINS.

REPORT OF THE BOARD OF HEALTH OF THE TOWN OF BILLERICA FOR 1900.

The health of the town has been in the main very good during the past year, and sanitary conditions satisfactory. The number of severe infectious cases of disease has been small, and no deaths have occurred from scarlet fever or diphtheria.

Many inspections have been made and all our suggestions as to sanitary measures have been cheerfully complied with.

COBURN S. SMITH,
MAURICE A. BUCK,
JOHN B. TYLER,
Board of Health.

LOCATION OF GUIDE BOARDS.

Board at corner of Russel and Mount Pleasant streets, No. Billerica.

Board at corner of Tewksbury and Russel streets, No. Billerica.

Board at junction of Tewksbury and East Billerica road.

Board at junction of road in woods leading from East Billerica to Tewksbury

Board at East Billerica, leading to Pattenville.

Board at Deacon King's, leading to Andover, and another board leading to Lowell.

Board at Mrs. Page's, leading to Wilmington, and one at Mr. Hopkinson's, leading to Wilmington and Silver Lake.

Board at junction of Salem and Andover streets, leading to Salem and Centre of Billerica ; one at junction of Salem and Whipple streets, leading to Salem and Wilmington.

Board at corner of Andover and Whipple streets, leading to East Billerica station and Centre.

Board opposite Fox Hill Cemetery, leading to Centre, Wilmington and Woburn.

Board at Mr. Hall's, leading to Tewksbury, Andover and East Billerica.

Board at foot of hill near Cemetery Junction, leading to East Billerica, Tewksbury and Wilmington ; one opposite Mr. E. Baker's, leading to Tewksbury and Wilmington.

Board at watering trough in Centre, leading to Boston, Lowell and all adjoining towns.

Board near John Kittredge's, leading to Salem and Wilmington.

Board opposite Mrs J. Knowles', leading to Bedford, to Lexington and Arlington.

Board near D. L. Mason's, leading to Boston and Woburn ; also one leading to Tewksbury almshouse.

Board near Shawsheen River, leading to Lowell and Tewksbury.

Board south of river, leading to Wilmington and Woburn.

Board at Dodge corner, leading to Lowell.

Board at Hill's Cemetery, leading to Bedford, Carlisle and Chelmsford.

Board at C. H. Hill's corner, leading to Bedford; also one at South Billerica depot, leading to Bedford and Billerica.

Board at Cook place, leading to Tewksbury and Wilmington

Board corner Main and Lowell streets, leading to North Billerica, Lowell and Centre.

Board at J. Conlon's, leading to Chelmsford.

Board at Cowdrey place, leading to Lowell, Chelmsford and Carlisle.

Board at Manning place, leading to West Billerica and Chelmsford.

Board near Woods' corner, leading to Boston, Concord and Lowell; one near Bailey place, leading to Billerica Centre and Lowell; one on Carlisle road, leading to Concord and Lowell.

Board corner Bridge, leading to West Billerica.

Board at Brown's corner, leading to Lowell and Boston.

Board at Preston's corner, one leading to Lowell

Board corner Main and River streets, leading to Chelmsford, Carlisle and Concord.

FIRE DEPARTMEMT.

LIST OF FIRES DURING THE YEAR

April 8. Fire at Rowell's woods, property of J. E. Rowell, T. E. Spaulding and E. O'Tool. Alarm 12.20 P. M. Damage $100.

April 8. Fire on land of John Foster. Still alarm. No damage.

April 11. Fire on land of Albert Jones. Alarm 2.45 P. M. No damage.

April 16. Fire at Allen place, cider vinegar manufactory, property of Rebecca Campbell and Josiah Wright. Alarm 11.40 A. M. Loss, building and contents, $1,050. Damage to standing wood $25.

April 19. Fire at Conway's woods. False alarm.

April 20. Fire on land of G. Spaulding and adjoining property. Alarm 12.10 P. M. Damage $10.

April 24. Fire at Barrett place. Alarm 8.40 A. M. Barn. Loss $600.

April 25. Fire at Twombley's place. Board sticks. Alarm 9.10 A. M. Damage $15.

April 25. Fire at Talbot's grove. Alarm 12.50. Damage $10.

May 30. Fire at Parker's grove. Still alarm. Damage $20.

June 1. Fire on woodland at Manning place. Alarm 3.45 P. M. Damage $15.

June 9. Fire at Talbot Dyewood & Chemical Works. Alarm 5.30 P. M.; second alarm later. Damage to buildings and stock $50,000.

June 15. Fire at Twombley's place; woodland. Alarm 1.50 P. M. Damage $30. Alarm 11.25 P. M at same place.

June 30. Fire at Trombley's place. Alarm 11.15 A. M. No damage.

June 30. Fire at Page's sawmill; wood of Bemis. Alarm 1.00 P. M. Damage $15.

July 4. Fire in woods of Lowell Rendering Co. Alarm 1.50 P. M. Damage unknown.

July 19. Fire in Talbot's woods. Alarm 3.00 P. M. Damage $25.00.

July 20. Fire at Talbot's woods. Alarm 10.20 A. M.

July 23. Fire in woods of John Shay. Alarm 1.15 P. M. Damage $25.

Sept 12. Fire at Twombley's place. Alarm 1.45 P. M. No damage.

Dec. 5. Fire at Mary E. Wright's house. Alarm 6 A. M. Damage $800.

The Board of Engineers find the Fire Department of the town in first class condition, well equipped and well manned, and able to handle any fire that may occur.

The most severe fire of the year was at the Talbot Dyewood & Chemical Works at North Billerica, where it was necessary to ring a second alarm. The fire was of such a nature, owing to the fumes of sulphur and gas, that it made it a very hard task for the firemen to subdue, but after seven hours of fighting they succeeded in putting out the fire and saving the most valuable part of the property.

We recommend that the sum of $1,500 be raised and appropriated for the expenses of the Fire Department for the next year.

L. W. BUCKLEY,
CHARLES A. WRIGHT,
WARREN HOLDEN,
Board of Engineers.

Billerica, Feb. 28, 1901.

To the members of the Board of Engineers :

GENTLEMEN :—I herewith make the following report, with inventory of the department property intrusted to my care.

Engine. One Silsby steam fire engine fully equipped and splendid working order.

Supply wagons. One 2 wheeled hose reel, 1 department supply wagon, 1 hose wagon in good condition except that one side reflecting lantern has attached iron rod broken off.

Truck. One ladder truck equipped as follows: one 45 ft. extension ladder, 1 ladder 22 ft., 1 20 ft., 1 16 ft., 1 roof ladder 12 ft., 12 fire buckets, 3 fire hooks, 1 tearing down hook, 2 crowbars,

2 ladder raisers, 2 axes, 2 picks both of which have handles broken, 1 lantern (the other is missing), 2 torches, neither of which are fit to use.

Hose. Thirty-nine lengths of hose or 1,950 ft. in good condition, 1 length or 50 ft. with coupling detachment broken off, 2 straight hose pipes, 2 Callaghan or flexible pipes, 1 1½ inch nozzle, 1 1¼ inch nozzle, 1 1 inch nozzle, 2 ⅞ inch nozzles, 4 ⅝ inch nozzles, 1 fixed pipe holder, 2 siamese connections, 2 1⅛ controlling nozzle, 2 shut off nozzles.

Harness. One double swinging harness for steamer, 1 single swinging harness for supply wagon.

Blankets. Five horse blankets, 2 for steamer, 2 for ladder truck, 1 for wagon.

Extinguishers. Two Underwriters fire extinguishers with two extra hose pipes.

Coats, etc. Twenty-four rubber coats and hats, 18 pairs of rubber boots, 16 belts and 32 spanners, 2 hydrant wrenches, 8 hose straps for ladders, 17 short and 5 long handled shovels, 1 rake, 1 pitch fork.

Since the above report was made out we have lost 2 lengths of hose, 1 length by being burst and another by having a hole burned through.

The department in my charge is up to the requirements except that two-thirds of the members are not provided with keys. The men drill at regular intervals, but the department has been handicapped at fires owing to the absence of horses, or the tardiness of the same in reaching the engine house.

Respectfully yours,

E. L. McMAHON,
Foreman of Steamer Co. No. 1.

Examined by the Board of Engineers.

L. W. BUCKLEY,
CHARLES A. WRIGHT,
WARREN HOLDEN.

To the Board of Engineers :

Hose Co. No. 2. Sixteen members and 10 badges.

Hook and Ladder Truck. Two 40-ft. extension ladders, 1 24-ft. upright, 1 24-ft. roof, 1 18-ft. upright, 1 14-ft. upright, 12 buckets, 2 extinguishers, 1 out of repair, 6 lanterns, 5 hooks (3 large and 2 small), 4 axes, 2 bars, 4 pairs rubber boots, 11 coats and hats, 1 blanket, 1 ladder hook and saw, 1 roof hook and rope, 3 shovels, 1 wrench.

Hose Wagon No. 2. Seven coats, 13 hats, 4 pairs rubber boots, 1 blanket and cushion, 2 lanterns, 1 wrench, 3 nozzles, 18 spanners, 3 hose straps, 2 hydrant wrenches, 5 tin pails, 3 old extinguishers, 1,500 feet hose, mese.

Hero No. 2. Four buckets, 350 feet hose, 1 pole, 100 feet rope, 1 chain, 10 ropes for pulling up hose, saw-horse, saw, stove, 1 12-ft. ladder, 1 hose carriage, 3 pieces rope, 9 lantern globes, dust pan and brush, mop, table, 23 chairs, 5 gal can, 2 lamps, 1 sponge.

C. E. MORRIS,
Foreman.

Approved by the Board of Engineers.

L. W. BUCKLEY,
C. A. WRIGHT,
WARREN HOLDEN.

POLICE REPORT.

There have been 28 arrests, for the following causes:

Assault	1
Drunkenness	13
Adultery	2
Fornication	4
Breaking and entering	1
Insane	1
Larceny	3
Nonsupport	1
Trespass	2

Disposal of Cases.

Held for the grand jury	3
Committed to the Lowell Jail	3
Committed to the Worcester insane asylum	1
Discharged or released on probation	9
Paid fines	10
Delivered to out of officers	2

Miscellaneous.

Cases investigated	51
Number of dogs killed	21
Persons locked up	10
Intoxicated persons cared for	11
Burglaries reported	5
Suspicious persons detained	2
Strayed teams cared for	2
Value of property stolen	$296 25
Value of property recovered	149 00

EVERETT W. LIVINGSTON,

MARTIN CONWAY, Jr.,

Police Officers.

Billerica Feb. 28, 1901.

REPORT OF TRUANT OFFICERS.

For the year ending Feb. 28, 1901.

PRECINCT 1.

Number of visits to school	5
Number of cases investigated	19
Number of cases reported	13

EVERETT W. LIVINGSTON,
Truant Officer.

PRECINCT 2.

Truants taken to school	4
Cases investigated	28
Cases reported	12

MARTIN CONWAY, Jr.,
Truant Officer Precinct 2.

February 28, 1900.

REPORT OF CATTLE INSPECTOR

For year ending March 1, 1900.

Billerica, March 1, 1901.

Total number of neat cattle in the town.....	933
Number of examinations made during the year.....	1.886
Cattle condemned by State and killed.....	37
Amount paid or now due the owners of cattle which have been killed.....	$781
Number of hogs in the town.....	221
Number of hogs killed at slaughter house.....	80
Number of hogs found tuberculous.....	3
Number of calves killed.....	182
Number of cattle killed for beef.....	2

Number of horses examined for glanders, 7; quarantined 1 and released 1. Have attended 17 cases of parturient apoplexy; of these 14 cows lived, 3 died; pneumonia, 9 cases; 7 lived, 2 died; trouble calving, 5 cases, all lived; choked, 3 cases, all lived; mortification, 2 died.

WM. H HUTCHINS, *Inspector*.

SCHOOLS.

J. G Morrill, superintendent	$750 00
J. A. Baker, music	500 08
M. E. Hill, drawing teacher	300 02
	$1,550 10
Bertram Brown, teacher's salary	$345 00
K. A Brown, " "	407 00
K. Baker, " "	207 00
E. M. Buckley, " "	150 00
A. B. Bisbee, " "	150 00
E. M. Chapin, " "	214 09
B. Cunningham, " "	74 37
B. F. Harding, " "	570 00
M. Hughes, " "	150 00
M. A. Hosmer, " "	342 00
G. L. Knowles, " "	342 00
L. L. McIntire, " "	372 00
A. J. Page, " "	380 00
M. F. Page, " "	380 00
L. Noyes, " "	19 00
A. Rogers, " "	201 25
E. Rideout, " "	250 00
J. M. Livingston, " "	380 00
M. E. F. Shea, " "	475 00
N. F. Sweetnam, " "	230 00
Viola Sturgis, " "	126 88
Frank Bartlett, janitor	362 15
F. C. Smith, janitor	150 00
F. W. Cowdry, conveying scholars	88 00
	$6,365 74
Edward E. Babb & Co., supplies	47 94
N. E. Publishing Co., supplies	5 00
Geo. P. Greenwood, supplies	5 12

Silver, Burdette & Co., supplies	$ 2 50
Prang Ed. Co., supplies	5 00
J. L. Hammett & Co., supplies	19 68
Bunkio Matsuki, supplies	3 15
T. F. Lyons, supplies	3 00
Ginn & Co., supplies	19 63
Educational Pub. Co., supplies	27 42
School Children, car tickets	82 95
American Express Co., express	1 45
Boston & Maine R. R., freight	2 65
William H. Mason, janitor	7 50
Morning Mail, printing	6 50
J. L. Hammett & Co., supplies	3 60
H. D. Livingston, repairs	1 00
Elmer E. Cole, coal	57 18
E. A. King, repairs	11 35
E. L. Kellogg, supplies	1 00
Guy Nickols, janitor	1 00
T. F. Lyons, stationery	1 15
Ginn & Co., supplies	2 25
American Express, express	60
Town of Billerica, water	7 50
D. Appleton, supplies	99
Merrimac Budget, supplies	6 50
Mrs. French, janitor	11 00
D. C. Heath, supplies	1 11
Walter Sutcliffe, wood,	23 92
Ginn & Co., supplies	2 57
E. L. Kellogg, supplies	1 00
P. D. Lyons, janitor, etc	9 20
M. E. Hill, supplies	3 47
C B. Kitchen, janitor	3 00
E. C. French, labor	7 00
William H. Hutchins, labor	12 00
Charles Parker, labor	5 00
H. H. King, labor	4 30
Suffolk Ink Co., ink	3 50
William H. Mason, janitor	3 00
Wright & Potter, supplies	1 23
D. C. Heath, supplies	1 00
Expression & Co., supplies	9 00

Town of Billerica, water	$ 1 50
Talbot Memorial Hall, use of	6 00
Amy Hosmer, music	6 00
E. C. French, janitor	4 00
J. L. Hammett & Co., supplies	47 21
W. C. Swinington, supplies	15 25
George Emnison, supplies	16 50
George F. King, supplies	7 90
Boston School Supply Co, supplies	3 34
American Express, express	2 15
Standard Dictionary	5 65
Mary Condon, labor	5 00
B. G. Hutchins, repairs	3 50
Ginn & Co., supplies	24 25
Scott & Co., supplies	2 63
Paine Furniture Co, supplies	58 24
Boston & Maine R. R., freight	1 11
Mr. Graham, labor	75
Mrs. G. L Rock, labor	1 85
Jackson Wright, labor	1 00
Silver, Burdett & Co, supplies	2 10
E. E. Babb & Co., supplies	78 14
H. H. King, labor	4 90
Werner School Co., supplies	12 60
Underwood Typewriter, supplies	70
Wadsworth & Co., supplies	12 76
Lowell & Suburban R. R., tickets	86 00
Houghton & Mifflin, supplies	6 80
H. D. Livingston, labor	5 75
Paine Furniture Co., supplies	4 62
F. A. Morey, supplies	27 22
H. C. Somers, labor	8 25
Town of Billerica, water	19 69
Peter E. Holman, conveying scholars	69 00
Ginn & Co., supplies	1 66
Lamb Manf. Co., supplies	11 75
M. A. Dodge, school census	40 48
Town of Billerica, water	12 00
L. A. Page, use of horse	4 00
E. E. Babb & Co., supplies	9 92
C. Pasho, labor	6 25

F. C. Smith, labor	$ 7 00
D. C. Heath & Co., supplies	13 13
American Express, express	2 40
W. J. Lyons, labor and wood	9 00
George S. Perry, supplies	3 84
J. L. Hammett & Co., supplies	16 67
H. H. King, labor	1 50
Mrs. E. C. French, janitor	7 00
Elmer E. Cole, coal	157 50
Merrimac Budget, printing	3 00
E. E. Babb & Co., supplies	16 98
W. C. Swinington & Co., labor	21 07
Ginn & Co., supplies	4 17
E. M. Bartlett, supplies	1 25
George H. Barker, labor	1 50
C B. Kitchen, janitor	3 00
George H Hall, labor	2 00
John B. Stearns, wood	9 00
George H. Wood, clock	7 50
Mrs. C. F. Barker, painting	8 28
Masury, Young & Co., supplies	3 00
Educational Publishing Co., supplies	2 46
Moter Mental Co., supplies	7 30
W. J. Lyons, janitor	7 00
E. L. Kellogg & Co , supplies	30
J. L. Hammett & Co., supplies	34 19
A. B. Chapman, labor	19 70
Houghton & Mifflin, supplies	15 77
Boston & Maine R. R., freight	1 50
Silver, Burdett & Co., supplies	8 34
Goodyear Marshall Co., supplies	9 16
C. B. Kitchen, janitor	5 50
Public School Co., supplies	1 75
D. J. Dewire, coal	58 03
James G. Morrill, supplies	7 40
Werner School Supply Co., supplies	88
Brewer Publishing Co., supplies	5 76
E. E. Babb & Co., supplies	88
C. F. Hatch & Co., supplies	85
E. A. King, labor	61 59
A B. Chapman, painting	79 00

INCIDENTALS.

American Express Co., express	$ 2 30
J. F. Delmage, use of horse	1 50
Walworth Manufacturing Co., repairs	7 74
Oak Hall, badges	3 00
Morning Mail Co., printing	171 45
Patrick Kearny	9 40
M. R. Warren, supplies	80
T F. Lyons, district reports, 1899, 1900	4 00
C. S. Maxwell, district reports, 1900	2 00
E. B. Haskell, expense	3 25
Hooper, Lewis & Co., supplies	1 75
Hillhurst, telephone	65
Wood Bros., paint	10 00
Thomas Groom, book	4 00
E. A. Barker, painting	10 75
Walworth Manufacturing Co., gasolene	20 10
H. M. Dolbeare, printing	1 50
T. F. Lyons, supplies	12 28
Henry M. Meek, printing	1 50
S. W. Stackpole, raising flag	4 80
W. P. B. Brooks, furniture	7 75
W. C. Swinington, labor	16 10
E. W. Livingston, sundries	4 05
Carter Ink Co., ink	38
Dr. S. R. Roher, reporting births	2 75
Josiah Wright, book	2 00
Fred A. Morey, supplies	10 23
State of Massachusetts, book	1 75
Barry Printing Co., printing	1 75
E. A. Barker, labor	2 50
W. C. Swinington, labor	14 94
Josiah Wright, labor	9 22
McIntire & Wilson, advice	5 00

Jackson Wright, labor	$ 3 50
F. A. M. Tobin	14 00
S. W. Nickerson, supplies	1 00
Town Hall, water	4 38
F. A. Morey, supplies	1 25
Gilbert & Barker, gasolene	35 53
W. C. Swinington, supplies	13 75
H. H. King, labor	13 25
Morning Mail Co., printing	10 00
Sampson, Murdock & Co., book	2 00
A. B. Chapman, labor	8 50
T. F. Lyons, postage	13 37
E. A. King, labor	8 35
American Express Co., express	50
S. W. Stackpole, raising flag	1 60
Boston & Maine R. R, freight	1 06
Josiah Wright, wood	3 00
D. Cushing & Co., post and rails	22 50
C. C. Johnson, supplies	50
Knowles Scale Co., repairs	14 85
C. L. Burton, repairs	1 90
Town of Tewksbury, tax	12 80
Fred D. Sperry, furniture	7 00
E. M. Bartlett, death returns	3 50
Dr. A. Howard, births	1 00
Dr. S. A. Wood, births	25
J. E. Blodgett, care town clock	24 50
Town of Billerica, water	1 28
City of Lowell	50
Dr. G. L. Vandusen, births	25
James Hamilton, expenses	50
William H. Hutchins, district valuation books	6 00
E. A. King, labor	3 75
Geo. E. Simons, district valuation books	6 00
Charles C. Johnson, supplies	50
T. F. Lyons, supplies	4 22
Barker Manufacturing Co., gasolene	14 55
Frederic A. Fisher, town counsel	341 44
Fred A. Morey, coal	141 52
J. B. Tyler, births	4 25
Boston & Maine R. R., freight	53

Gilbert & Barker	$ 32
Holden & Co., supplies	85
F. A. Morey, coal and supplies	79 59
D. J. McDonald, use of club room	5 00
W. E. Sprowl, labor	3 50
Boston & Maine R. R., freight	53
P. J. Sexton, labor	40
W. H. King, damages	75 00
City of Lowell	2 00
T. F. Lyons, supplies	2 95
W. A. Cambell, labor	1 50
Martin Conway, Jr., car fare and telephone	13 00
Morning Mail Co., printing	12 25
W. B. Moffatt, services	2 00
E. W. Livingston, team and car fares	4 35
H. R. Cowdry, labor	3 50
E. A. King, labor, town hall	33 72
Talbot Mills, labor	1 85
Boston & Maine R. R., freight	55
Holden & Co., supplies	57
C. L. Burton, repairs on town clock	45
H. A. King, births, deaths, marriages	44 14
E. B. Haskell, car fare and telephone	4 19
Courier-Citizen Co., valuation books	123 20

Street Lighting.

Appropriation	$700 00
Sidney A. Bull, Treasurer, Centre	350 00
W. A. Evans, Treasurer, North	350 00

Cattle Inspector.

William H. Hutchins, inspector	428 31

Auditors.

Appropriation	$45 00
Erastus B. Colby, services	15 00
R. P. Perry, services	15 00
George P. Greenwood, services	15 00

Board of Health.

Dr. John R. Tyler, services	13 00
Coburn S. Smith, services	8 00

Winthrop Faulkner Fund.

H. A. King, treasurer	280 00

Fish Warden.

Patrick Kearney, services	100 00

Billerica Water Works.

Town Hall, water	12 00

Memorial Day.

C. S. Smith, treasurer	100 00

Sidewalks.

Josiah Wright, labor	$ 63
J. P. Twombly, labor	16 25
G. C. Crosby, labor	12 00

Common.

Appropriation	$75 00
Jasper Bruce, labor	75 00

Special Appropriation for Sidewalk.

C. S. Smith, labor	56 00

Tree Warden.

Appropriation	100 00
Fred C. Smith, salary	39 25

Valuation Book.

Appropriation	100 00
Morning Mail, printing book	114 00

Soldiers' Relief.

Appropriation	50 00
Martin Conway, Jr., aid Silas Cowdry	17 38

Talbot Avenue.

E. Spaulding, 8 days, $2 00	$16 00
J. Stahle, 8 days, $1.75	14 00
J. Newell, 8 days, $1.75	14 00
M. McElligott, 8 days, $1.75	14 00
H. Sherry, 8 days, $1.75	14 00
Town teams, 8 days, $8.00	64 00
E. Spaulding, 1 horse 8 days, $1.25	10 00
Thomas Spaulding, 1 horse, $2.75	2 75
	$148 75

Bridges

Lexington Lumber Co., lumber	$520 16
D. W. Fitch, labor	158 68
H. D. Livingston, teaming	9 50
Bean & Dunbar, lumber	5 55
Boston & Maine R. R., freight	9 92
T. E. Smith, labor	9 90
L. J. Hunt	1 75
J. B. Stearns, teaming	1 50
Holden and Co., supplies	10 80
Burnham & Davis, lumber	8 42
P. J. Sexton, labor	13 05
Boston & Maine R. R., freight	35 28
H. C. Sommers, labor	9 00
	$793 51

School House Annex.

Joshia Wright, contract	$555 25
T. E. Smith, contract	2,183 49
W. L. Floyd, architect	130 00
W. C. Swinington, contract	600 00
A. B. Chapman, painting	200 00
Chandler Chain Co., supplies	153 30
J. L. Hammett & Co., supplies	51 50
	$3,873 54

Election Officers.

Appropriation	$100 00
E. L. McMahon, teller	2 00
J. R. Conway, department inspector	5 00
Amount carried forward	$7 00

Amount brought forward	$ 87 00
Patrick Condon, department clerk	5 00
E. R. Costello, department inspector	5 00
J. J. Mahoney, clerk	10 00
Geo. H. Perry, warden	5 00
E. F. Carley, department warden	5 00
Phillip Dolan, inspector	5 00
Frank Dolan, department clerk	5 00
W. R. Holden, inspector	5 00
W. Stevenson, inspector	5 00
C. A. Wright, inspector	5 00
John Brown, inspector	5 00
Charles Lyons, inspector	5 00
C. A. Bowman, department warden	5 00
J. S. Holt, clerk	10 00
H A. King, warden	5 00
	$92 00

Town Officers.

C. H. Kohlrausch, Jr., selectman		$112 50
E. B. Haskell, selectman and overseer of poor		200 00
Josiah Wright, selectmen and assessor		352 50
Geo. E. Simonds, selectman and assessor		130 00
W. H. Hutchins, selectman and assessor		130 00
H. A. King, town clerk and treasurer		400 00
S. J. Cook, overseer poor		100 00
Thomas Spaulding, overseer poor		50 00
A. H. Jones, salary, 1896	100 00	
A. H. Jones, salary, 1897	100 00	
A H. Jones, salary, 1900	250 00	
		450 00
Allan Bottomley, salary school committee		60 00
F. A. Casey, salary school committee		60 00

Macadam Road.

Appropriation	$1,500 00
Climax Machine Co., labor	64 07
Clark Estate, pulley	1 50
Thompson Hardware Co., supplies	14 83
American Express, express	15
Holden & Co., supplies	6 10
J. Gates & Son, supplies	2 82
C. E. Gile	6 95
E Spaulding, superintendent	86 00
J. Stahle, labor	56 44
J. Newell, labor	59 94
M. McElligott, labor	59 50
H. Sherry, labor	63 00
J. Ruth, labor	63 01
N. M. Simonds, labor	63 70
T. G. Cox, labor	9 63
John Lyons, labor	36 75
Josiah Wright, labor	102 50
G. N. Mills, labor	11 38
J. Lewis, labor	7 00
G. A. Miller, labor	24 09
E. S. Miller, labor	23 19
Town teams, labor	176 00
H. W. Essex, labor	95 00
H. D. Livingston, labor	64 00
John Farmer, labor	72 00
B. W. Kearney, labor	4 00
Bartlett & Dow, supplies	6 42
E. E. Cole, coal	53 68
Bittwell Bros., supplies	1 64
E. A. King, labor	9 40
Frank W. Crosby, labor	25 00
Town of Chelmsford, use of roller	20 00
Town teams, labor	108 00
Dick Folsom, rent	20 00
Fred A. Morey, supplies	38 66
J. Lyons, labor	36 75

Fire Department.

Appropriation	$1 300 00
Engine Co. No. 1, salary	366 83
Engine Co. No 2, salary	384 97
S. W. Buckley, chief engineer	20 00
E. W. Livingston, assistant engineer	20 00
C. A. Wright, assistant engineer	20 00
F. H. Sexton, wagon	375 00
J. E. Rowell, use of horse	7 75
Holden & Co., supplies	2 69
Josiah Wright, wood	3 12
H. D. Livingston, use of horse	12 50
B. W. Kearney, use of horse	12 00
C. B. Coburn, supplies	4 15
Donovan Harness Co., supplies	3 00
Warren Holden, supplies	9 43
James A. Hamilton, supplies	50
Walter Sutcliffe, use of horses	41 50
John Finnegan, use of horses	5 00
Cornelius Callahan & Co., supplies	46 00
American Express, express	15
Edward Costello, watching fires	1 00
Edward S. McMahon, watching fires	1 00
Ned M. Simonds, watching fires	2 00
Holden & Co., supplies	1 45
D. W. Fitch, labor	3 70
P. Kenneally, watching fires	1 40
T. F. Lyons, supplies	1 00
	$1,346 14

Board of Registrars.

Appropriation	$100 00
E. L. McMahon, services	25 00
A. W. Holden, services	25 00
John Harrington, services	25 00
H. A. King, services	25 00

Town Records.

Appropriation	$200 00
Etta F. Stanton, copying	158 30
Martha A. Dodge, copying	8 80
	$157 10

Insurance.

Appropriation	$275 00
John H. Foster, agent	236 10

Police Department.

Appropriation	$1,500 00
Martin Conway, Jr., services	730 00
Everett W. Livingston, services	730 00
Frank Bartlett, special police	10 00
W. F. Symmes, special police	5 56
City of Lowell, expense	5 50
E. W. Livingston, expense	15 30
Martin Conway, Jr , expense	12 76
W. B. Moffatt	6 00
	$1,515 12

WATER WORKS SINKING FUND.

Balance March 1, 1900	$2,934 83
Sept. 1, 1900, interest to date	73 37
March 1, 1900 " " "	75 20
Balance on hand March 1, 1900	$3,083 40

Above is deposited with Talbot Mills at 5% per annum.

FREDERIC S. CLARK,
J. NELSON PARKER,
CHARLES H. KOHLRAUSCH, JR.,
Water Commissioners.

JURY LIST, 1901.

TOWN OF BILLERICA.

Joseph Ellis ..... Overseer
William H. Hutchins ..... Farmer
Henry Duran ..... Farmer
James Barrington ..... Carpenter
John E. Bull ..... Merchant
William A. Cowles ..... Retired
Frank W. Cowdry ..... Farmer
William H. Sexton ..... Blacksmith
John Latham ..... Retired
Henry Desmarzes ..... Farmer
Charles W. Flanders ..... Optician
Sidney A. Bull ..... Merchant
Henry Shuman ..... Farmer
Oscar Fellows ..... Farmer
Daniel Callahan, Jr ..... Farmer
Edward B. Haskell ..... Farmer
Nathaniel R. Jones ..... Farmer
Dennis J. Dewire ..... Jobber
George E. Simonds ..... Farmer
Thomas E. Spaulding ..... Farmer
Fred L. Mason ..... Farmer
Edgar Twombley ..... Farmer
Edgar L. McMahon ..... Finisher
Henry Dutton ..... Farmer
Timothy Mahoney ..... Dresser
George L. Dunham ..... Merchant
Clarence Bowman ..... Farmer
Valentine Rollins ..... Farmer
Joseph H. Call ..... Farmer
Martin Conway ..... Farmer
John E. Rowell ..... Farmer
Fred H. Parker ..... Merchant

William F. Symmes.....Miller
H. D. Livingston.....Teamster
B. G. Hutchins.....Carpenter
Franklin Jaquith.....Manufacturer
A. H Andrews.....Farmer
John H. Foster.....Agent
H. M. Hutchins.....Retired
Frank W. Holden.....Merchant
Dick J. Folsom.....Farmer
Albert H. Jones.....Collector
Coburn S. Smith.....Farmer
L. B. Gannon.....Broker
Thomas Callahan.....Broker
Benjamin W. Kearney.....Jobber
Arthur W. Holden.....Paymaster

ESTIMATES OF APPROPRIATIONS BY THE SELECTMEN FOR 1901.

	Estimates of Appropriations for 1900.	Estimates of Appropriations for 1901.
Schools	$8,500 00	$9,000 00
Highways	3,500 00	3,500 00
Bridges	450 00	1,500 00
Fire Department	1,300 00	1,500 00
Incidentals	1,500 00	1,300 00
Town Farm	1,000 00	1,000 00
Janitor and Police	1,500 00	1,500 00
Outside relief	1,300 00	1,200 00
Debt appropriation	5,500 00	1,450 00
Interest	1,700 00	1,700 00
Insurance	275 00	300 00
Sinking Fund and bond interest	2,000 00	2,000 00
Soldiers' relief	50 00	50 00
Registrars of Voters	100 00	100 00
Cemeteries	400 00	
Common	75 00	75 00
Selectmen	375 00	475 00
Assessors	500 00	250 00
Overseers of the Poor	200 00	200 00
School Committee	180 00	180 00
Town Clerk	200 00	150 00
Town Treasurer	300 00	250 00
Tax Collector	350 00	350 00
Election officers	100 00	100 00
Cattle Inspector	350 00	500 00
Fish Warden	100 00	100 00
Board of Health	50 00	50 00
Auditors	45 00	45 00
Sidewalks	100 00	100 00
Tree Warden	100 00	50 00
Sealer of Weights and Measures	None.	50 00
Hydrants	2,300 00	2,300 00
Water Bond Sinking Fund		1,800 00
Town water	100 00	100 00
Water deficit	1,000 00	1,000 00
Street lighting	700 00	

WARRANT.

COMMONWEALTH OF MASSACHUSETTS, }
MIDDLESEX, SS. }

To Everett W. Livingston, Constable of the Town of Billerica,

GREETING:

You are hereby authorized and required to notify and warn the inhabitants of the said Town of Billerica qualified by law to vote in elections and town affairs, to meet at the Town Hall, in said town, on Monday, March Twenty-fifth, at Nine o'clock in the forenoon, to act upon the following articles:

ART. 1. To choose a moderator to preside at said meeting.

ART. 2. To determine the number of Selectmen, Assessors, Overseers of the Poor, Auditors, Constables, Collector of Taxes.

ART. 3. The polls will be open in accordance with the by-laws of the town for the election of the following town officers, on one ballot, for one year: Town Clerk, Town Treasurer, Selectmen, Assessors, Overseers of the Poor, Collector of Taxes, one or more Constables, one member of the Board of Health for three years, one member of the School Committee for three years, one member of the Sinking Fund Commission for three years, one member of the Water Commission for three years, one member of the Cemetery Commission for three years, Tree Warden for one year.

ART. 4. To choose a member of the Bowers Fund Committee for a term of five years.

ART. 5. To see if the town will accept the revision of the jury box made by the Selectmen, or do anything in relation to the same.

ART. 6. To see what method the town will adopt for the collection of taxes for the ensuing year.

ART. 7. To see what method the town will adopt for the repair of the roads and bridges for the ensuing year.

ART. 8. To see if the town will choose Highway Surveyors and all other necessary town officers.

ART. 9. To vote on the following questions, viz.: Shall license be granted for the sale of intoxicating liquors in the Town of Billerica? Yes or No.

ART. 10. To hear and act upon the report of the Selectmen, and all other town officers and committees heretofore appointed.

ART. 11. To raise and appropriate such sums of money as may be deemed necessary to defray the town's expenses for the ensuing year, or do anything in relation to the same.

ART. 12. To see if the town will raise and appropriate the sum of $100 for the use of the Veterans on Memorial Day.

ART. 13. To see if the town will authorize and direct the Treasurer, with the approval of the Selectmen, to borrow temporarily, in anticipation of taxes of the present municipal year, and give the negotiable note or notes of the town for money so borrowed, and that all such temporary loans shall be paid from the said taxes.

ART. 14. To see if the town will vote to purchase or take a lot of land at North Billerica, and erect a school house thereon, at an expense not exceeding $25,000, or such sum as the town may determine, or do anything in relation to the same.

ART. 15. To see if the town will appoint a committee to carry into effect the vote under the preceding article.

ART. 16. To see if the town will borrow the sum of $25,000 for the purpose of purchasing land and erecting a school house thereon in that part of the town called North Billerica, as authorized by law, and particularly by an act of the current year entitled, "An act to authorize the Town of Billerica, for the purpose of providing a new school building, to incur indebtedness beyond the limit fixed by law," and issue bonds therefor, and within the restrictions of the statutes relating thereto, fix the amount, time of payment, rate of interest, denomination, and form thereof; or do anything in relation to the same.

ART. 17. To see if the town will establish a sinking fund for the payment of the principal of said bonds, and raise annually a sum sufficient, with accumulations, to extinguish such indebtedness at maturity; or do anything in relation to the same.

ART. 18. To see if the town will vote to authorize the School Committee to form a union for the purpose of employing a Superintendent of Schools under the provisions of Chap. 466 of the Acts of 1898, or do anything in relation to the same.

ART. 19. To see if the town will vote to raise and appropriate the sum of $200.00 for conveying pupils from Shawsheen district to Pollard school, or do anything in relation to the same.

ART. 20. To see if the town will raise and appropriate the sum of $350.00 to be expended at the discretion of the School Committee for conveying the children above the sixth grade from the outside schools to the graded schools, or do anything in relation to the same.

ART. 21. To see if the town will raise and appropriate $250.00 to aid the Billerica Historical Society in placing a suitable memorial on the site of the first meeting house erected on the common at Billerica Centre in 1660, or do anything in relation to the same.

ART. 22. To see if the town will raise and appropriate the sum of $500.00 for painting and repairing Union Hall at North Billerica, or do anything in relation thereto.

ART. 23. To see if the town will raise and appropriate the sum of $800.00 for repairs on the Town Hall, or do anything in relation thereto.

ART. 24. To see if the town will raise and appropriate the sum of $1,500.00 for building macadam road, or do anything in relation to the same.

ART. 25. To see if the town will authorize the Selectmen, at their discretion, to sell the steam fire engine, or act in relation thereto.

ART. 26. To see if the town will raise and appropriate the sum of $200.00 to build a street the distance of 600 feet on land known as Maple street, Fordway park, North Billerica, or do anything in relation to the same.

ART. 27. To see if the town will raise and appropriate the sum of $1,650.00, to be expended for street lighting, to be divided between Billerica Centre and North Billerica, or do anything in relation to the same.

ART. 28. To see if the town will authorize the Selectmen to make a contract for electric street lighting for a term of three years, or do anything in relation to the same.

ART. 29. To see if the town will accept from J. N. Parker a deed of a strip of land adjoining the cemetery, to be used for cemetery purposes.

ART. 30. To see if the town will raise and appropriate the sum of $500.00 for the purpose of preserving the ancient records of the town, by the so-called Emery process, as required by the Commissioner of Public Records, and in conformity with the Public Statutes, or do anything in relation to the same.

ART. 31. To see if the town will raise and appropriate the sum of $40.00, and pay the same to the Bennett Library Association, interest due on the Winthrop Faulkner fund, or do anything in relation to the same.

ART. 32. To see if the town will vote to increase the salaries of the Engineers of the Fire Department from $20.00 per year, as now paid, to $35.00 per year, the same to date from the time of the increase of the salaries of the firemen, or act in relation thereto.

ART. 33. To see if the town will choose a committee to report at the next annual town meeting on the advisability of the town purchasing a steam road roller, or do anything in relation to the same.

And you are to serve this warrant by posting attested copies thereof, one copy at the town hall, one copy in each of the post offices of the town, and one copy in each of the porches or vestibules of the several churches in the town, at least eight days before said meeting.

Hereof fail not, and make due return of this warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this eleventh day of March, in the year of our Lord nineteen hundred and one.

CHAS. H. KOHLRAUSCH, Jr.,
EDWARD B. HASKELL,
JOSIAH WRIGHT,
Selectmen of Billerica.

A true copy. Attest:

EVERETT W. LIVINGSTON,
Constable.

ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

TOWN OF BILLERICA

FOR THE SCHOOL YEAR 1900-1901.

CALENDAR.

HOWE SCHOOL.

1901.
April 9—Spring term begins.
June 7—Examinations for admission at 8.30 A. M.
June 20—Spring term closes.

Sept. 3—Fall term opens.
Dec. 20 to Dec. 31—Vacation.

1902.
Feb. 20–24—Examinations.
Feb. 24—First term closes.
Feb. 27—Second term begins.
Mar. 28 to April 7—Spring vacation.

ELEMENTARY SCHOOLS.

1901.
Mar. 4—Spring term begins.
June 14—Spring term closes.
Sept. 9—Fall term begins.
Dec. 20—Fall term closes.
Dec. 31—Winter term begins.
1902.
Mar. 28—Winter term closes.
April 7—Spring term begins.
June 13—Spring term closes.

ORGANIZATION OF SCHOOL BOARD, 1900-1901.

D. MOYER STALEY, Chairman ; term expires 1901.
FREDERICK A. CASEY, Secretary ; term expires 1902.
ALLAN BOTTOMLEY ; term expires 1903.

Sub-Committees.

Pollard and Richardson Schools, D. Moyer Staley.
Talbot and U. H. Schools, Allan Bottomley.
Hill, Spaulding and Crosby Schools, Frederick A. Casey.

J. G. MORRELL, Superintendent.

Teachers.

Supervisor of Music,
J. Avison Baker.

Supervisor of Drawing,
Margaret E. Hill.

Principal of Howe School,
Earl C. Davis, A. B.

Assistant,
Vivian B. Small, A. B.

Pollard, Ninth Grade,
Katherine F. Baker.

Pollard Grammar,
Bertram D. Brown, Principal.

Pollard Sub-Grammar,
Lizzie L. McIntire.

Talbot Grammar,
Benjamin F. Harding, Principal.

Talbot Sub-Grammar,
Mary E. F. Shea.

Talbot Intermediate,
Nellie F. Sweetnam.

Talbot Primary,
Jennie M. Livingston.

Union Hall Primary,
Alice T. Rogers.

Richardson School,
Annie J. Page.

Spaulding School,
Blanche Cunningham.
Viola Sturgis.

Pollard Intermediate,
KATE A. BROWN.

Pollard Primary,
MARTHA F. PAGE.

Hill School,
MARY A. HOSMER.

Crosby School,
GRACE L. KNOWLES.

KINDERGARTEN.

Principal, ISABELLA HOULISTON. Assistant, MARY B. BARTLETT.

TRUANT OFFICERS.

Precinct 1—E. W. LIVINGSTON. Precinct 2—MARTIN CONWAY, JR.

Report of the School Committee.

To the Citizens of Billerica:

At the termination of another school year, your Committee have the honor and extreme pleasure to submit their annual report: —

The educational progress revealed by each pupil is chiefly due to the persistent and tireless efforts of a good corps of teachers, encouraged, aided and directed by an efficient Superintendent, and faithfully sustained by the Committee, who have endeavored to do all in their power to discharge their several duties pertaining to the office, with dispatch and diligence, having always uppermost in their minds, first, the welfare of the students, second, the citizens of Billerica.

Attention is called to Chap. 249, Sec. 1, of the Public Statutes, whereby a law has been passed which demands that all the public schools of Massachusetts shall be under a superintendent, and all small towns which in 1902 have not made a union with other town or towns will be joined together by the State for that purpose.

Your attention is respectfully directed to the report of the Superintendent, Teacher of Music, Teacher of Drawing, and Principal of the Howe School.

The annex to the Pollard School was in readiness for the year's work, and with this addition the Pollard School will furnish adequate room for many years. If you have not already done so, we sincerely trust you will call and see for yourself.

The experiment of placing a man as principal of the Pollard School has proven a success, and with a special teacher for the ninth grade, we find that better work can be accomplished in all grades.

"Music is a kind of inarticulate, unfathomable speech which leads us to the edge of the infinite and lets us for moments gaze into it."

We still believe in and most cheerfully approve of the excellent progress under the direction of our faithful Music Instructor.

We sincerely trust that citizens participate with us in the appreciation we have for the excellent work done by the Art Teacher, and we sincerely trust that you will examine this work along with others when you visit the schools.

Owing to the unsatisfactory condition of the present school accommodations at North Billerica, we earnestly request and recommend a new school building in that part of the town.

STORM SIGNAL FOR SCHOOLS.

The Talbot Mills bell will strike at 7.45 A. M. two strokes thrice repeated to indicate no school in the forenoon. The same signal at 11.30 will indicate no school in the afternoon when there has been a forenoon session. When there has not been a forenoon session, but weather changes warrant an afternoon session, this will be indicated by two strokes four times repeated at 11.30 A. M. This signal will also be given at the Chemical Works at the same time. The bell on the Unitarian Church at the Centre will give the same signal for the Pollard School.

The members of the School Board hold their monthly meetings at the Town Hall on Wednesday evening preceding the first Thursday of each month.

D. MOYER STALEY,
FRED. A. CASEY,
ALLAN BOTTOMLEY.

FINANCIAL STATEMENT.

RESOURCES.

Appropriation	$8,500 00	
Massachusetts school fund	328 58	
From state on account of supt.	625 00	
Refunded dog tax	329 46	
Received for outbuilding	15 00	
		$9,798 04

LIABILITIES.

Teachers' wages	$6,527 02	
Conveyance of pupils	360 75	
Fuel and care of school premises	1,241 11	
Superintendent of schools	625 00	
Text-books and supplies	497 87	
School sundries	171 15	
Improvements	392 95	
		$9,815 85
Amount overdrawn		$7 81

From the above it will be seen that bills have been approved to the amount of $9,815.85, which is $429.95 less than for last year. This is not a very liberal amount with which to run our schools.

After careful consideration your committee makes the following estimate for the ensuing year:

Teachers' wages	$6,800 00
Fuel and care of school premises	1,650 00
Superintendent of schools	375 00
Text books and supplies	800 00
School sundries	250 00
	$9,875 00
Less State fund	328 58
	$9,546 42

The Committee therefore recommends that $9,000, in addition to the dog tax, be raised and appropriated for the support of schools.

Report of the Superintendent of Schools.

To the School Committee of Billerica, Mass:

GENTLEMEN:

I herewith present the eleventh report of the Superintendent of Schools, it being my second.

Below are the school statistics, and following is a brief statement concerning our schools.

For the purpose of conforming with the regulations of the State Board of Education, the statistics are for the natural school year instead of for our fiscal year, as it hitherto has been the custom. The second table, however, is for the fall term of 1900.

STATISTICS.

Number of boys between the ages of five and fifteen, per census	258	
Number of girls between the ages of five and fifteen, per census	246	
		504
Increase from last year		31
Number of boys between the ages of seven and fifteen, per census	155	
Number of girls between the ages of seven and fifteen, per census	131	
		286
Decrease from last year		56
Enrollment of pupils in elementary schools	465	
Enrollment of pupils in High School	43	
		508
Increase from last year		15

Enrollment of children in the Kindergarten		31
Average membership in elementary schools	414.23	
Average membership in High School	40.89	
		455.12
Average attendance in elementary schools	383.69	
Average attendance in High School	39.32	
		423.01
Per cent. of attendance in elementary schools		92.39
Per cent. of attendance in High School		96.14
Per cent. of attendance in all schools		92.73

This Schedule in accordance with State regulation is for the natural school year from September 1999 to June 1900.

SCHOOL.	TEACHER.	Enrollment.	Average Membership.	Average Attendance.	Per Cent. of Attendance.	Salary.	Time in Weeks.
Talbot Grammar	B. F. Harding	39	33.70	31.80	94.10	$60.00	38
Talbot Sub. Grammar	Mary E. F. Shea	54	47.54	43.65	91.81	50.00	38
Talbot Intermediate	Mary E. Rideout	42	41.28	39.33	95.08	40.00	38
Talbot Primary	Jennie M. Livingston	43	40.52	37.90	93.53	40.00	38
Pollard Grammar	Elizabeth M. Chapin	45	42.00	38.50	91.67	55.00	38
Pollard Sub. Grammar	Lizzie L. McIntire	37	30.02	27 70	91.92	40.00	38
Pollard intermediate	Alma B. Bisbee	33	31.79	29.24	91.99	40.00	38
Pollard Primary	Martha F. Page	42	35.32	32.83	92.97	40.00	38
U. Hall Intermediate	Kate A. Brown	29	24.00	22.80	95.00	44.00	38
U. Hall Primary	Mary E. Hughes	28	28.75	25.72	92.93	40.00	38
Mixed Crosby	Grace L. Knowles	11	9.45	8.33	88.15	36.00	38
Mixed Hill	Mary A. Hosmer	18	12.00	10.75	89.59	36.00	38
Mixed Richardson	Annie J. Page	25	19.40	18.08	93.21	40.00	38
Mixed Spaulding	Ethel L. Buckley	19	18.46	16.06	86.50	40.00	38
	Totals and Averages	465	414.23	383.69	92.39	†$42.93	.....
Howe High	E. L. Davis, Principal Vivian C. Small, Assistant	43	40.89	39.32	96.14	.....	.....
	Total	508	455.12	423.01	92.73	.....	.....
*Kindergarten	Isabella Houliston, Principal Mary E. Bartlett, Assistant	33	30.79	26.38	86.57	.....	.....

* Private. † Average per month.

Schedule for Fall Term of 1900.

SCHOOL.	TEACHER.	Enrollment.	Average Membership.	Average Attendance.	Per Cent. of Attendance.	Salary.	Time in Weeks.
Talbot — Grammar	B. F. Harding	45	43.94	41.67	94.83	$60.00	38
Talbot — Sub. Grammar	Mary E. F. Shea	54	52.63	50.21	95.40	50.00	38
Talbot — Intermediate	Nellie Sweetnam	33	32.10	29.90	93.14	40.00	38
Talbot — Primary	Jennie M. Livingstone	51	49.07	44.96	91.62	40.00	38
Pollard — Grammar	B. D. Brown	34	31.40	27.80	88.53	60.00	38
Pollard — Sub. Grammar	Lizzie L. McIntire	37	31.48	30.85	97.99	40.00	38
Pollard — Intermediate	Kate A. Brown	36	30.77	27.99	90.96	44.00	38
Pollard — Primary	Martha F. Page	36	29.56	25.56	86.46	40.00	38
Pollard — 9th Grade	Katherine F. Baker	33	32.54	30.75	94.49	36.00	38
Mixed — U. Hall	Alice T. Rogers	38	34.56	32.61	94.35	35.00	38
Mixed — Richardson	Annie J. Page	24	22.85	20.99	91.86	40.00	38
Mixed — Crosby	Grace L. Knowles	8	7.12	6.30	88.60	36.00	38
Mixed — Hill	Mary A. Hosmer	13	12.47	10.29	82.51	36.00	38
Mixed — Spaulding	Blanche Cunningham / Viola Sturgis	23	21.50	18.49	86.00	35.00	38
	Totals and Averages	465	43.4	398.37	91.33	†$42.30	38
Howe School	E. C. Davis, Principal / Vivian C. Small, Assistant	.....	.....	.....	.....	.....	.....
	Total	.....	.....	.....	.....	.....	.....
*Kindergarten	Isabella Houliston, Principal / Mary E. Bartlett, Assistant	31	30.15	26.40	87.37	.....	.....

* Private. † Average per month.

Based on the second table, the estimated average cost per pupil of the different schools for teachers during the present school year is as follows:

Union Hall	9.62
Talbot	10.15
Pollard	13.42
Spaulding	15 47
Richardson	16.63
Hill	27.50
Crosby	48 03

The average cost per pupil varies directly as the salary of the teacher and inversely as the average membership. Very little weight can be given the average cost per pupil, because the average membership varies so from year to year. Yet in a town like Billerica the average cost per pupil for teachers should not exceed $14.00 or 15.00, and for the total expense per pupil it should not exceed $25.00. Yet the circumstances might be such that the average cost per pupil would exceed these figures while the total expense might be the same as usual or even less. This would be in the case of a small average membership.

BOOKS AND SUPPLIES.

Appropriation		$650 00
Amount expended for drawing	$128 52	
Amount expended for books	167 75	
Amount expended for paper, pencils, etc.	170 33	
		$466 60
Unexpended balance		$183 40

During the past year less than $500.00 has been expended for books and supplies. Of this amount $128.52 was for drawing material. Notwithstanding this small expenditure, 728 books and pamphlets for reading and literature have been put in the different grades. Yet books have been bought only as fast as the condition of the schools have demanded.

Several complaints have been made against our arithmetics. New arithmetics, histories, geographies and grammars will have to be purchased sometime during the next two years.

I might anticipate the need of books and expend the whole of the appropriation ; but our books are in fair condition, and in consideration of the fact that only $700.00 has been expended for books and supplies during my services of one and a half years, I believe that your board will not hesitate to call for a large appropriation when circumstances demands it, neither do I believe that the people will fail to respond. Therefore, I have turned over to your board $183.40 and ask for the sum of $800.00 for the ensuing year.

All the schools have been more economical during the past year in the use of both books and supplies, yet the new books put in the schools during the past year have been damaged three times as much in some rooms as in others. When economy is practised the best quality of supplies is the most economical ; when otherwise the only resort is cheap material. Next year high grade pencils will be used in all rooms practising economy. When the schools are once in course and the necessary books furnished, $650.00 will meet the ordinary running expenses of all departments.

SCHOOL BUILDINGS.

All the schoolhouses in the outlying districts ought to be painted on the outside. In some of them there is need of work on the interior, such as repainting the blackboards and tinting the walls.

The Pollard building has been put in excellent condition both inside and outside. Thus far it has given good satisfaction. The annex has been inspected and approved by the state officers. The better condition of this building has much to do with the better condition of the schools in it.

The schoolroom in Union Hall is very good, but the heating is an expensive piece of business, and not very satisfactory. The sanitary accommodations were put in at quite an expense, yet the pipes are frequently freezing, even under the most vigilant care.

The Talbot building is in a terrible condition. The school accommodations at the North are far from being as good as elsewhere in town, yet the cost per pupil is much less. From the $3,500.00 or more that is yearly spent at the North for schooling, but a small part of it is utilized in making good citizens, since

the greater part of the force received from this expenditure is neutralized by the demoralizing effect of the school accommodations. Nothing commands respect from the children more than a good, clean room, tidily kept and furnished with a few ornaments and some good books. The money now expended, at the best, is a poor investment. Something ought to be done at once and soon it must be done. What will be done must be decided by the good opinion of the citizens of Billerica.

THE KINDERGARTEN AND THE SUB-PRIMARY.

Enough has been said in the past concerning the value of a kindergarten training. I believe that the work now done in the first year of our schools is of little benefit to the children. Mr. J. W. Macdonald once said in a lecture that if the children could be kept out of our public schools until they were six years old, they would really be quite intelligent little beings. I think he meant that the work now being done in the first year of our schools is not adapted to the need of the children. Mr. John T. Prince, in his "Third Report upon a Course of Studies for Elementary Schools," makes a strong argument for a sub-primary school to serve as a transition from the kindergarten to the elementary schools.

If there is need of a transition from the kindergarten to elementary schools, how much more is there a need of a transition from the home to the elementary schools.

Mr. Prince says in his report: "Children five years of age can no doubt do a prodigous amount of formal work. They can read through a dozen first readers, write a good hand, go to a hundred or a thousand in numbers, and perhaps read music in three keys — all during the first year. But the question is, Ought they to do it? Ought they to do a half or a quarter as much? A fair answer to this question will, I am sure, lead us to revise the primary course, as generally pursued."

"The course to be pursued in the sub-primary class will depend somewhat upon the previous training of the children; but in any case the programme will consist of an extension of the work of the kindergarten, especially along observational and manual training lines, with a comparatively small amount of reading, writing and arithmetic."

In the first year of our elementary schools, we ought to do practically the same kind of work that is done in the second year of the kindergarten. Then children from the second year of the kindergarten would enter the second year of the elementary schools.

Children are entering the first year of our schools at the age of five, and the second year of the kindergarten at the same age. What a difference in the nature of the work done in the two places. One of them must do the better work, and I most decidedly believe that, in this case, it is the kindergarten. During the past year, in the first grade, we have been following the "Speer Method" in arithmetic, practically the same work that is being done in the second year of kindergartens. Otherwise, the work of our first year has been little changed, excepting that phonics have been introduced in the last half of the year. I believe that less should be done both in reading and in singing by note, and that a corresponding amount be done in singing by rote, in manual training, and in observational work. I believe it is wholly wrong to teach singing by note in the first two grades of our schools. Concerning this, Dr. G. A. Linder, in his "Cyclopedia of Education," says: "Concerning the method and the course of study for lessons in singing, in the public schools, the following points may be considered to have found general approbation in Germany. During the first two years of school, singing is practised by rote. The chief object here is the development of the voice and the musical ear; later on instruction is based upon the foundation of reading music. . . . . Above all, it has been found necessary to begin the singing of pleasant, catchy airs quite early, so that the musical ear be trained."

Andrew T. Smith, in his "Systematic Methodology," says: "Teach the children, by rote, a large number of bright and catchy airs suited to their development. Have these tunes, together with the words, committed to memory and sung as frequently as the interest of the pupils will allow. Do not urge children to loud singing. Let the aim be to make melody, and the greater volume will come with advancing years. Many voices, that might with care have been made musical for mature life, have been ruined by the strain forced upon them in childhood. The excellence of the lesson is not to be measured by the amount of noise the class can make. Neither does the child sing best who can be heard above all the others in the class."

I hope that the worth of the Kindergarten at the North may be more fully appreciated, and that we may utilize to a fuller extent its worth in our public schools. I would recommend that the work of the first year of our public schools be coincident or nearly so with that of the second year of the Kindergarten, so that children of the second year of the Kindergarten may enter the second year of the public schools, or do so with a very little extra work.

COURSE OF STUDY.

Some progress has been made towards establishing a course of study, yet under the most favorable circumstances, it will take four years for our schools to work into a well defined course. My last report stated that a course of study would be published this year. In case this should be done it would be but an expense for a temporary thing. For the next three years the course will have to be revised from time to time to meet the growing demands of the schools. At the present time the teachers are following temporary courses of study, such as are most suitable for the schools, and at the same time will direct them towards the proposed course of study. It may have seemed to the teachers that they have been working along an aimless path, yet they have worked diligently and in many cases they have been doing in some branches what in their judgment would best meet the peculiar condition of the schools.

LITERATURE.—In order that pupils may read understandingly the literature of the seventh, eighth and ninth grades, they must have a knowledge of the literature of the lower grades. All literature is rich in mythological and historical allusions, and without some knowledge along these lines the study of literature, at the best, is a dry and distasteful study from which little can be expected of pupils who have passed through the years of childhood without the literature of that period. Such children are likely never to have a love for good reading. How great has been their loss can not be estimated.

Literature, music and art fashions the soul that reflects the spiritual man. All else, logic, science and mathematics, makes the worldly man intellectually strong and practical. Both make the all-round man, but the former precedes and is lasting, so at present in our schools we are giving special attention to the study of literature and reading, which has been somewhat neglected.

The course in reading and literature is ready for publication. While it may differ from others in details, I trust that it contains such material as will be most conducive to the development of the pupils' instinctive impulses, and that it is so arranged as to follow the psychological growth of the child.

In all grades, short poems and parts of long ones are memorized, and choice selections of poetry are studied and read. The fairy tales, fables, and poetry constitute the literature of the primary grades. Stories of mythology and those pertaining to early history are read and told by the teacher in this grade and in the following four.

Supplementary reading in geography and in nature study introduced in the second year, supplementary reading in history introduced in the fourth year, and longer stories and masterpieces of literature introduced in the fifth year, all are continued throughout the course. Mythology is discontinued with the sixth grade. For grades above the fourth, books are assigned for home reading.

There is no particular order in which the books assigned to any grade shall be read. Since pupils and even classes differ so much in their general make up, the teacher, who knows the pupil best, is given much latitude in arranging the material prescribed for her grade. Not every class is expected to do all the assigned work, while some classes may be able to do even more than there is in the full course. All classes are advised to read the easiest selections first.

The object of this course is to bring before the pupil a little of the choicest literature in such a way and at such a time as to make it become a part of the natural growth of the child.

GENERAL NATURE OF THE COURSE OF STUDY.

Since it is acknowledged by the highest authorities, and has been many times proven by actual experiment, that the child beginning the systematic study of arithmetic in the eighth year will be as far advanced at the age of ten as the one beginning the study at five, the general tendency of our course is to do, during the first three years of the course, less work in systematic arithmetic and more in the branches that are more comprehensible to the immature mind of the child.

We purpose to devote the time and energy, hitherto worse than wasted in the study of arithmetic, to the study of literature,

singing, drawing, writing, acquisition of disposition, character building, reading, and nature study. Literature and singing, the essence of soul making, can be taught children from infancy, provided the process be by rote. Much of this work must be done in the first three grades. A fuller and more systematic study of all the branches will be made as the development of the child will permit. How well this general principle will be carried out depends wholly on the superintendent and teachers.

NINTH GRADE.

Good work is being done in the ninth grade this year, but the pupils are handicapped because of having taken so little literature in the lower grade. The work this year is arithmetic reviewed, algebra begun, literature, reading, latin, bookkeeping, botany, singing and drawing. Bookkeeping and botany are taught because they are desirable studies for pupils who are going no farther than the ninth grade, and at present they are not in the High School course. Departmental work is being done in the seventh, eighth and ninth grades of the Pollard building. Thus far it is satisfactory. Since there is an elective course in the Howe School, the work in the ninth grade will be elective as far as the branches taught will permit. Pupils who are contemplating a course in the Howe School may have the advantage of this during this spring term.

I believe that better results can be obtained, and that more pupils would enter the Howe School, if some satisfactory arrangement could be made with the trustees of the Howe School, whereby pupils, having completed satisfactorily the work of the elementary schools, could be admitted on trial to the Howe School without examination.

Since September the elective system has been on trial in the Howe School. In my judgment, it is going to be a success. For further details concerning the work of this school consult the appended report of the Principal; also attention is called to the reports, which follow, of the supervisors of drawing and singing.

Respectfully submitted,

J. G. MORRELL,
Superintendent of Schools.

February 27, 1901.

Report of Instructor of Music.

Mr. J. G. Morrell, Superintendent of Schools:

Music has been taught in the Billerica public schools for nearly thirteen years, and the system used is the one that goes by the name of "movable do." Of course every music teacher who uses this system knows what it is, and knows the advantages it has over the "fixed do" system, and the German "la" system, and the "by ear" or no system, to learn music.

There is, no doubt, a great difference in methods. Some are wise, some far otherwise. It is possible that better methods may yet be found than those that now exist. But with the best that now is, or is yet to come, it is, in an important sense, true that "the good teacher is the best method." The "movable do" system teaches to the scholars all the transpositions of the scale. A thorough and familiar knowledge of the scale in all its transpositions is indispensable to a musical education. All the better methods of instruction, instrumental or vocal, are founded upon scale practice in all possible combinations and transpositions; without the discipline derived from such practice, a player or singer can never become a good musician. The success of a scholar in the high school, college or university depends on the training he has received while a pupil in the preparatory schools. The elementary instruction in singing is of vital importance to the singer. It has to lay the foundation for the ability: 1st, to read music; 2nd, to apply it in its combinations with words. No other branch of music needs more careful and capable instruction than the art of singing. It is a pity that the voice is often mistaken for singing, or, still oftener, for the capacity to teach singing. But what practical benefit is there in its study? Is it as important a study as the other branches that are commonly taught in our public schools? The security and stability of a government depend upon the happiness and contentment of its people. I believe that whatever increases their happiness

tends to their moral elevation, and herein we have strong reason why vocal music should be one of the studies pursued in our common schools. It is well known to all professional music teachers, and to many other persons, that the habitual use of vocal music by a family is an almost unfailing sign of good moral and refined tastes. If a young man leaving home and going into a strange community can sing well, he at once gains an entrance into the higher grade of society, and may thus be saved from degrading influences. Singing in school is indirectly a great help to congregational singing in churches, and to the music of Sunday schools. The public school music teacher sows wide the seeds of knowledge, and without him the pianist, the violinist, the high-art vocalist would labor in vain.

The standard I have of music in the public schools is high, but no higher than it should be to be fair to the teacher, the pupil and the public. If when pupils on leaving the High School have ability to sing intelligently music of ordinary difficulty at first sight, well enough to sing their parts with good quality of tone in choir or chorus, if they have learned through the practice of musical exercises to concentrate their thoughts, strengthen their mental powers, quicken their perception, to appreciate the good and beautiful in music, then I think that the object of music in the public schools is attained.

Again I wish to thank the Committee, Superintendent and teachers who have each and all contributed to make my labors so pleasant that whatever good results may have been attained in my work, they have come from the generous assistance I have received from every source.

Respectfully submitted,

J. AVISON BAKER.

Report of Instructor in Drawing.

Mr. J. G. Morrell, Superintendent of Schools:

In compliance with your request for a report on drawing in the public schools, I submit the following:

In my two previous reports I have tried to show what are some of our aims in the work. It is difficult to state exactly what the result of our efforts has been. We are able to see definite progress in certain directions and but little improvement in others. There are so many departments included in art instruction that it is impossible in the sixty hours, which is our yearly allowance of time, to accomplish much in many directions. So our only advisable course is to emphasize those things most important in everyday life, and most useful to the child, who should be instructed not only "so that he may get a living but so that he may know how to live."

The term "drawing" generally suggests the representation of something with a lead pencil. Representation surely demands a part of our attention, but there is nothing more true than that representation may be very excellent without attaining to art, and that art may exist quite apart from representation. In the Turkish rug and the decoration of certain primitive potteries we find the latter condition. In the study of design and composition comes the opportunity to think of beauty almost entirely apart from any outside consideration. The majority of art instructors agree that in the education and refinement of the tastes, the study and product of design is our most important department. For these reasons we shall this year give to design the greater part of our attention.

Notwithstanding our most careful efforts to cause the children to create beautiful things, we are continually disappointed and discouraged by obtaining results which are barbaric in color, without character in form and line, and seemingly without any dominant motive.

Without doubt the reason for this is that the children do not know beauty and that they have few opportunities of seeing and studying excellent examples of things which are refined in color and form. It is as easy to produce a superb lily from a barren soil as to obtain good designs from those who rarely see them and who never recognize beauty. The reproductions of the works of eminent artists, which have been obtained through the efforts of one of our public spirited citizens and are soon to be placed in the school rooms, is a step in the right direction. Pictures are one of the many sources of the inspiration of which we are in need.

Every town in which there is art instruction should have, besides its books and supplies, some examples of beautiful manufactured articles for study. Many towns are already spending large sums in this direction.

I most earnestly recommend that a sum of money be made available for expenditure in examples of good design and color, in textiles, ceramics and utensils. It is not necessary that these should be very expensive. Up to the present time the only things in this line that we have had to use have been a small collection, the property of an individual. So far as it went it was helpful, but it was entirely inadequate for the use of the large number of children who needed it.

It is not enough that pictures and textiles be shown to the children. They must be placed where they may be studied, so that their good qualities can be understood and appreciated In this connection, another need that is very urgent is that a something in the nature of a bulletin board be provided for every school room, whereon may be placed such things as are to find but a temporary place in the school room. At present we are obliged to hang our subjects for study upon a line like clothes hung out to dry, and too high for the children to see well. Such an arrangement is not consistent with the principles which we try to teach, and of course things pasted or pinned around upon the walls, doors and blinds detract very much from the appearance of any room. Of all places, our school rooms should be the most carefully arranged.

Besides our work in design, the study of the history of art will be continued. Reproductions of the best works of great masters and also their works, similar in execution to those the

children are doing, should be placed where they can be seen constantly. A good reproduction of one of Millet's drawings, made with the end of a burnt match, for his grandchildren, cut from the pages of a magazine, may do the children nearly as much good as if it were an "original" and had cost thousands of francs.

We shall also take up the study of the works of the modern illustrators, in order that the pictures with which our many periodicals are so profusely illustrated may be better understood. This work would be greatly aided by loans or gifts of current or old numbers of such publications as Harper's, Century, Scribner's, etc., etc. Any of these magazines published within the last ten or fifteen years would be very useful in more ways than one in our school libraries.

As to the work of our teachers in this department. There is a great difference in the measure of their success. The work in some of the schools is entirely satisfactory, indicating care, interest and work on the part of the teacher. In other schools, the results are very discouraging. One of the reasons for this is that the interest of a class in a subject depends largely upon that of the teacher.

The amount of money which has been available for "Drawing" this year is entirely insufficient for the accomplishment of good results. Mere "supplies" of pencils and paper are not all that is needed. Good literature is furnished as an aid in their study of reading and language. Good examples are not less necessary in teaching them to enjoy, appreciate and create things good in form and color, because all expression depends upon impression.

If mechanical drawing is introduced, as many desire, a decided increase in expenditure will be necessary.

Again, I advise that a sum of money sufficient for a generous equipment be provided.

Very respectfully,

MARGARET E. HILL.

Report of the Principal of the Howe School.

BILLERICA, Mass., February 27, 1901.

To Mr. J. G. Morrell, Superintendent of Schools,
Billerica, Mass.:

DEAR SIR: — I beg you to accept the following report from the Howe School:

In general, the school year has been very satisfactory. We have been quite free from illness and disease arising from other sources. I was very much disturbed to see two of the pupils break down during the last spring term. I dislike to think that the cause was overwork, but from the nature of the cases I think that it might have been.

We attempt to watch the pupils closely, both to urge on the less diligent and to hold back the too ambitious. It would be a great favor if parents would assist by keeping us informed.

I take it that life for each individual is a series of problems. Each thing that one does represents a process somewhat as follows: A problem is presented to one. It must be disposed of. There are at least two, and often more, possible methods of dealing with it. Whether or not more than one method of solution is right does not matter. It is evident that but one solution can be used. All others must be rejected. This is the proposition, to accept the one, and to reject the many. The problem must be considered in itself, in its relations to its environment, and in its relation to the person making the decision. After this investigation must come the decision, either right or wrong. The success of a lifetime may hinge upon it. After the decision is made, one must abide by it. It is personal history and cannot be changed. One is simply ready for a new problem. That is the skeleton of life: problem, investigation, and decision. If that is life, it is education. If it is education, it ought to be the skeleton of our educational system. If the school fulfills its functions, it should not only teach, but it should teach how to do.

It seems to me, therefore, that any method that tends to throw responsibility upon the pupil, that makes him think and act for himself, should become a part of a school plan. Throw responsibility upon a pupil, and under its weight he becomes a man.

With this idea in mind, a few slight changes have been made in the program of studies in the Howe School. In these changes the attempt has been made to allow the pupil a larger range for choice of courses, to suit his own needs and demands, and at the same time to place him in a position where he must decide for himself. In short, it aims not only to make the school a place where one may acquire knowledge, but also where he may be made to take to himself some responsibility in the use of that knowledge.

With these preliminary remarks, I will ask you to examine the following program :

PROGRAM OF COURSES.

I.—English.

	Yr. El.*	Value†
English I	1	4
English II	2	4
English III	3	4
English IV	4	4

II.—Ancient and Modern Languages.

Latin I	1, 2	4
Latin II	2, 3	4
Latin III	3, 4	4
Latin IV	4	4
Greek I	2	4
Greek II	3	4
Greek III	4	4
French I	1, 2, 3	4
French II	2, 3, 4	4
French III	3, 4	4

III.—Mathematics.

Algebra I	1	4
Algebra II	3, 4	4
Geometry I	2	4
Geometry II	3, 4	4
Business Forms, 1-2 year	1, 2, 3, 4	2

IV.—Science.

Physiology and Hygiene, 1-2 year	1	1
Physical Geography, 1-2 year	1	1
Geology, 1-2 year	3, 4	2
Botany, 1-2 year	3, 4	2
Chemistry	1, 2, 3, 4	4
Physics	1, 2, 3, 4	4

V.—History and Miscellaneous.

Grecian History	1	1
Roman History	1	1
General History	2, 3, 4	4
English History	2, 3, 4	4
Civics	1	1
Political Economy, 1-2 year	1, 2, 3, 4	2
Music required of all		1

* First column of figures represents the years in which the subject may be taken.
† Second column represents the value of a study in counting for a diploma.

CONDITIONS.

Required, for a full diploma, 68 points. Of the 68 points required, 16 must be in English, 8 in mathematics, 8 in ancient or modern languages, 4 in music, 1 in civics. The remaining 31 points are entirely elective.

A three years' diploma will be given to a pupil who has to his credit 12 points in English, 8 points in mathematics, 3 points in music, 1 point in civics and 26 other points, making a total of 52 points.

Music is required of all, except such as are excused by the special instructor in music, subject to the approval of the principal. Those thus excused will be obliged to take an extra course in order to make up the necessary 68 points required.

Courses chosen for the year's work must be approved by parents of the pupil, and by the principal. Courses thus chosen for the year shall not be changed except by the consent of the principal. A pupil must maintain an average of not less than C for the year in order that the course may count for a diploma.

Exceptions to these conditions may be made by the principal to suit particular conditions.

It is a very difficult thing to arrange a program like the preceding one, when a school has but two teachers. All sorts of devices have to be resorted to. The great difficulty comes in arranging the daily recitations, so that the arrangement will not limit the range of choice.

The following daily plan, in a somewhat modified form, was in use during the first term of the year.

Civics	Phys. Geo. 2d term Phys.	Phys. Geo. 2d term Phys.	Hist. I	Hist. I
Eng. II	Eng. II	Eng. II	Eng. III	Eng. II
French III	Geom. I	Geom. I	Geom. I	Geom I
Latin III–IV	Latin III–IV	Latin III–IV	Latin III–IV	Eng. III
French II	French II	French II	French II	French III
Greek I	Eng. I	Eng. I	Eng. I	Eng. I
Bookkeeping	Chemistry	Chemistry	Chemistry	Chemistry
Eng. III	Latin I	Latin I	Latin I	Latin I
French I	French I	French I	Music	French I
Eng. IV	Eng. IV	Eng. IV	Music	Eng. IV
Alg. I	Alg. I	Alg. I	Music	Alg. I
Hist. II	Hist. II.	Hist. II	Music	Greek II
Alg. II	Alg. II	Alg. II	Geom. II	Geom. II
Latin II	Latin II	Latin II	Latin II	Greek II
Geology	Geology	Bookkeeping	Geology	Bookkeeping
Greek II	Greek II	Greek I	Greek I	Greek I

As an example of the arrangement notice, for instance, in the third period, English I is taken only by the pupils of the first year. This makes it possible for any pupil in the second, third or fourth year to take French II without any conflictions. Again in the fifth period, French I and English IV, coming together, allow any pupil in the first, second or third year to take French I. An examination of the program will show that practically no limitations are placed upon the range of choice by the arrangement of the daily program.

Personally I am convinced that the elective system is the rational method for use in the high school. It considers the individuality of the pupil, it compels him to take responsibility, and to a great extent it eliminates the possibility of a misfit. There is nothing more discouraging to the pupil than to be laboring under an unpleasant burden, placed upon him by those who do not know him. When one turns to his life work, he is invariably advised to choose that which he most enjoys. Why? Because he will do the best work if he does enjoy it. Is it not reasonable, then, that the pupil will also do the best work in the study that he is interested in? If I understand it correctly, one of the great functions of the school is to give the pupil a chance to find himself; to find for himself a purpose in life. He certainly cannot get such a purpose by being compelled to study what he does not want or care for.

The only thing that I regret about this program is that it is not broad enough. May the time soon come when the Howe School shall have a larger teaching force, and thereby be better able to meet the varied demands of its pupils.

But to turn to other considerations than this program. The ninth grade arrangement, as now in force, appeals to me as a big advance in the school system. There has developed among people in general an idea that there is a long jump from the grammar school to the high school. There is such a break in the present system, which one can account for historically, but it is unnatural and artificial. Every means possible should be used to minimize this difference, and to cause it to disappear. The ninth grade, under its present management, is doing a vast amount in this direction. The taste of high school work that it gives the pupils bridges over the chasm to a remarkable degree. It makes the step from the grammar to the high school a natural one, and not an exceptional one. The value of it in this line is already apparent. The rule has been heretofore for the classes to decrease rapidly in numbers after entering the high school. This was due, in part, to poor preparation, but principally because the pupils, being unable to adjust themselves to new conditions of high school work, became sickened and left. It is but natural. The first class to enter under the ninth grade system still maintains its numbers, and, so far as one can judge, most of the pupils will remain to graduate. The second

class to enter under the system has lost but two names from its number. One left on account of illness, and may return next year; the other is no longer in town. That is the great advantage of the ninth grade, but there is still another advantage, viz.,—improved preparation. It is very noticeable, indeed, and will be, I am positive, much more noticeable at the next entrance examination.

For one who knows practically nothing about music, to attempt to refer to that course is hazardous; but one does not have to know much to see that when a class can take a difficult piece of classical music, read it at sight, and, after four days' practice, sing it without hesitation, the pupils have been given a thorough training. Not only has the training been thorough, but it has been given by a man who is interested in every pupil. Whenever a pupil fails to take an interest in this part of his education, he is simply injuring himself.

In days not long past the high schools devoted but a small portion of time to the study of English. If modern ideas in education have done nothing else of value, one must admit that the new methods of teaching English, and the increased amount of time devoted to that study, mark a decided improvement. The courses in English in the Howe School have been arranged by Miss Small along lines that commend themselves to one as very thorough and practical. The following is an outline of the methods and aims of the courses prepared by Miss Small:

The course in English affords a parallel study of English and American literature, composition, and rhetoric. The time devoted to such study includes four periods per week during three years, and three periods per week during one year.

For the first year, Narration is the subject for study. The literature used for this work is Hawthorne's "Tanglewood Tales" and selections from "Twice-Told Tales;" Hale's "Man Without a Country;" Irving's "Sketch-Book;" Ruskin's "King of the Golden River;" Longfellow's "Tales of a Wayside Inn" and "Courtship of Miles Standish;" Dickens' "Paul Dombey;" Scott's "Lady of the Lake;" Tennyson's "Idylls of the King;" and some of the simplest of Browning's narrative poems.

The meaning, method, and style of the author are studied. The composition work of this year includes a variety of incidents and anecdotes, personal narratives, and one story. Special

attention is given to external form of composition — headings, margins, indentations; to punctuation, and to the study of figures based on resemblance.

The aim throughout this year is to give spontaneity.

During the second year, Description is taken up. The study is based upon descriptive passages from literature used for the first year's work, and upon Hawthorne's "Old Manse;" Longfellow's "Evangeline;" Whittier's "Snow Bound;" Goldsmith's "Deserted Village;" George Eliot's "Silas Marner;" Lowell's "Vision of Sir Launfal" and other descriptive poems; selected poems of Byron and Wordsworth; Shakspere's "Julius Cæsar."

The study of Paragraphs is introduced here, and some attention is given to the choice of specific words, the general study of Choice of Words being deferred until later in the course. The study of Figures is continued during this year.

The composition work includes paraphrases, descriptions of objects, places and people, from both observation and imagination, and exercises in the combination of narrative and descriptive elements.

The special aim of this year's work is to secure accuracy of expression.

This arrangement leaves the more difficult subjects, Exposition and Argument, for the third year. To these is added a general study of Choice of Words, of the Sentence and of Qualities of Style.

The literature for this year includes Milton's minor poems; Macauley's "Essays on Milton and Addison;" Webster's "Bunker Hill Oration;" De Quincey's "Flight of a Tartar Tribe;" selections from the essays of Lamb, Lowell, Bacon and Emerson; Burke's "Speech on Conciliation;" Shakspere's "Merchant of Venice;" and a dramatization of Dryden's "Palamon and Arcite" and of Pope's "Iliad."

The composition work is devoted especially to the preparation of analyses and plans, to arguments and pleas based upon current events, and discussions raised in other studies.

The work of this year is designed to develop the powers of classification and generalization and to encourage logical thinking.

The last year is devoted to a thorough study of the more difficult of the college requirements and to a study of the history of English and American literature.

Here the authors are grouped in periods chronologically. The environment of these periods is studied, biographies are reviewed, and the study of the personality of the authors, through works already studied and others added according to the attainments and tastes of the several classes, is made the chief end.

Formal essays are required at intervals throughout this year.

It is hoped that the last year's work will bring an enlarged appreciation of literary art, and broader power of interpretation.

Outside reading is encouraged and directed, but no definite requirements are made along this line, owing to the lack of books for a school library.

In conclusion, we wish to thank the patrons for their uniform support and interest. The welfare of the school is your welfare. If conditions are not entirely satisfactory, we will try to act upon suggestions.

Very respectfully,

E. C. DAVIS.

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